

SERVICE MANUAL

IBIS-2



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This manual

This manual contains the basic instructions for repairs and general maintenance of the Ibis manually operated wheelchair.

Mechanics who do repairs on this wheelchair must be well trained and familiar with the repair methods and the maintenance of the Ibis wheelchair.

It is important to see to it that work is always done safely, particularly with respect to activities where the wheelchair must be lifted up.

We advise that you contact our service department before doing repair work on a wheelchair that has been involved in an accident.

The following specifications are important when ordering parts:

- Model
- Manufacture year
- Color
- Identification number
- Part number
- Name of the relevant part

This information can be found on the identification plate. See 'Identification of the product'.

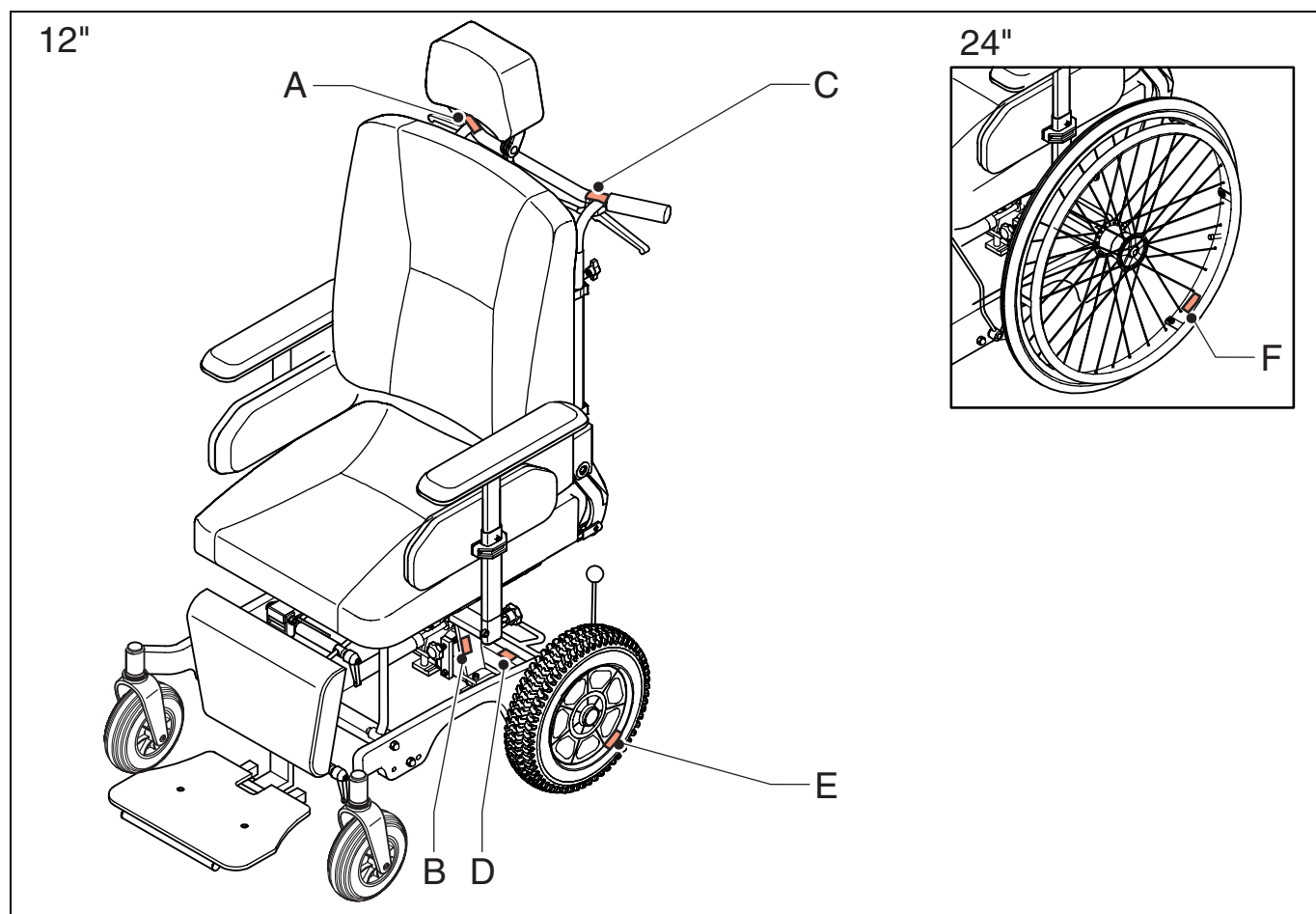
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Product reference

XXXXXX-010004000-en.doc

The product has the following decals and labels.

- See fig. 010004010.



- A. Tilt adjustment mechanical
- B. Set tilt adjustment
- C. Gas spring adjustment backrest (option)
- D. Brake bracket
- E. Tire pressure back wheels 12"
- F. Tire pressure back wheels 24"

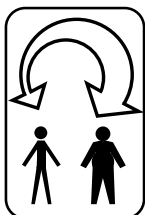
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A. Tilt adjustment seating system

To adjust the tilting angle of the seating system, see 'Tilt adjustment seating system'.

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B. Set tilt adjustment

To set the tilt adjustment, see 'Set tilt adjustment'.

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C. Gas spring adjustment backrest (option)

To adjust the backrest, see 'Gas spring adjustment backrest'.

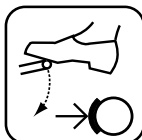
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D. Brake bracket

Brake bracket up: brake off.
Brake bracket down: brake on.

To use the brake bracket, see 'Parking'.



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MAX. 2,5 BAR

E. Tire pressure back wheels 12"

For the right tire pressure, see 'Product specifications'.

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MAX. 4 BAR

F. Tire pressure back wheels 24"

For the right tire pressure, see 'Product specifications'.

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The following pictograms are used in this manual:

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CAUTION

Procedures that can result - if they are not executed properly - in damage to the product, the environment, or human injury.



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ATTENTION!

Suggestions and advice for conducting the relevant tasks or activities more easily.

Available documentation

The following technical documentation is available / required to service this wheelchair:

- Owner's manual
- Service manual.

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Service and technical support

For information concerning specific settings, maintenance or repair work please contact your dealer. He is always prepared to help you.

Ensure you have at hand:

Model

Manufacture year

Identification number

This information can be found on the identification plate. See 'Identification of the product'.

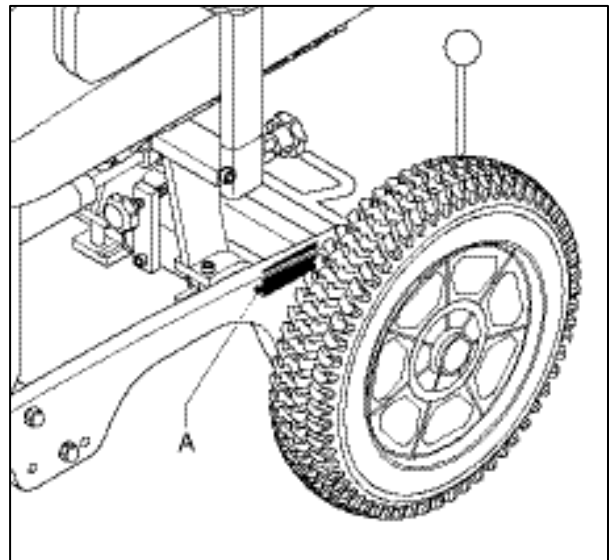
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Identification plate

- See fig. 010007000.

On this plate (A) information on the product can be found.
See: 'Identification of the product'.

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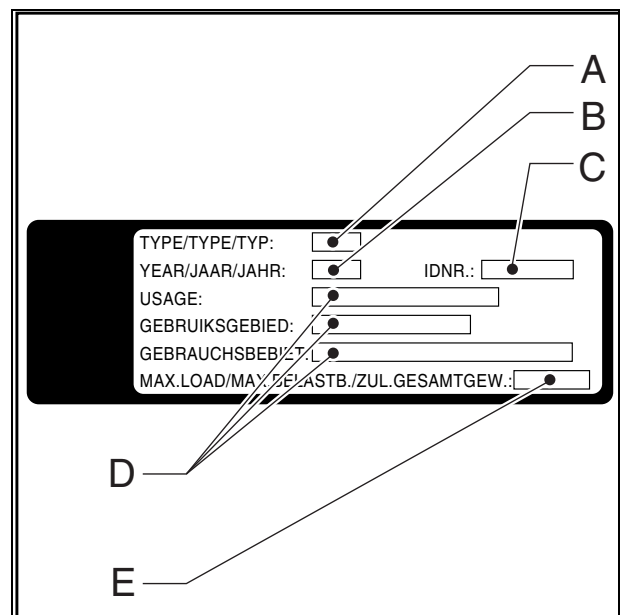
Identification of the product

- See fig. 010007010.

- A. Model
- B. Manufacture year
- C. Identification number
- D. User area indoors or outdoors
- E. Maximum load in kg

- For the place of the identification plate, see 'main components'.

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Warranty

Definitions of terms used in this warranty:

- Consumable part: Part that is subjected to natural wear and tear or natural contamination during normal operation within the lifetime of the product (section 9 of Handicare's general terms and conditions of sale);
- Client: Those who purchase the product directly from Handicare;
- Corrective action: Repair, replace or refund of the product;
- Dealer: Those who re-sell the product to the User;
- Defect: Any circumstance due to which the product is not sound or fit to use, caused by a lack of quality of the material used to manufacture the product as well as the quality of the manufacturing process;
- Option: An accessory delivered by Handicare to extend the standard product model;
- Product: Product that is delivered according to brochure or contract (e.g. wheelchair, scooter, battery-charger etc.);
- Part: Part of product that can be exchanged or replaced. This can be an option, accessory, service part or consumable part;
- Returns: Product or part that needs to be returned;
- RMA-process: Process to return goods, contact Handicare's Customer Service;
- Service part: Part that is durable and may be subjected to natural wear and tear or natural contamination during normal operation within the lifetime of the product.;
- User: Those who use the product;
- Warranty: The rights and obligations set forth in this document;
- Warranty period: The period of time during which the warranty is valid;
- Warranty provider: Handicare B.V., Vossenbeemd 104, 5705 CL Helmond, The Netherlands.

Notwithstanding the rights and obligations of Handicare, Client and User set forth in Handicare's general terms and conditions of sale, the rights of the Client and/or User towards Handicare in case of defects are limited to the provisions set forth in this warranty. For the duration of the warranty period Handicare guarantees that the product is without defects.

In case of any defects the User is required –within two weeks after discovery of the defect- to contact the dealer. He has to complete a return form and return the product or part via the RMA-process. Handicare will, at its sole discretion, take the corrective action it seems fit under the given circumstances within a reasonable period of time (depends on nature of claim) from receipt of the completed return form. The warranty period will not be extended after a corrective action.

Warranty period table

Manual wheelchairs

Description	Warranty period	Examples include, but are not limited to the parts mentioned below
Frame	2 years	Weldment/frame
Service Parts	New: 1 year after invoice Repaired: 90 days after invoice	Brakes
Consumable parts	40 days after invoice	Seat- and back textiles, wheels, griphandles etc.
Options/Accessories	2 years	Headrests, legrests, drum brake etc. Not being service part or consumable part.

Seating

Description	Warranty period	Examples include, but are not limited to the parts mentioned below
Frame	2 years	Weldment/frame
Electronics	1 year	Electronic components
Service Parts	New: 1 year after invoice Repaired: 90 days after invoice	Metal parts
Consumable parts	40 days after invoice	Upholstery etc.
Options/Accessories	2 years	Lap strap, bag brackets etc.

Handicare will only accept shipment costs and corrective costs related to warranty on equipment during the warranty period.

This warranty will void in case of:

- The product and/or its parts being modified or items having been added by others than Handicare;
- Changes in cosmetic appearance by use;
- Failure to observe the instructions for use and maintenance, use other than normal use, wear and tear, negligence, collateral damage by neglect of earlier symptoms, overloading, third-party accidents, non-original parts used and defects not caused by the product;
- Circumstances beyond our control (flood, fire, etc.).

This warranty does not cover:

- Tyres and inner tubes
- Batteries (covered by the battery manufacturer's warranty).

Clients and/or Users have legal (statutory) rights under applicable national laws relating to the sale of consumer products. This warranty does not affect statutory rights you may have nor those rights that cannot be excluded or limited, nor rights against the entity from whom the product was purchased. Clients may assert any rights they have at their sole discretion

Liability stipulations concerning the Product

Irrespective of what is determined regarding liability in the general conditions applicable to the Product, with regard to liability in any case the following applies:

1. taking into consideration the following stipulations, Handicare only accepts liability for loss due to death or physical injury that is the result of a defect in the Product for which Handicare is responsible and for damage to another object that is the private property of the user of the Product, as long as said loss is the direct result of a fault in the Product.
2. Handicare accepts no other or further liability than delineated under 1. In particular Handicare accepts no liability for consequential damage, in any form whatsoever.

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Used wheelchairs and the environment



If the wheelchair needs to be replaced, it can usually be taken back by your dealer. If this is not possible, please contact your local authorities for the possibilities of recycling or an environmentally friendly way of disposing of the used materials.

For the production of the wheelchair several plastics and metals have been used.

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Use according to purpose¹

The wheelchair Ibis was designed for the transport of persons to a weight of maximally 125 kg (275 lbs).

The Ibis wheelchair is not a sports wheelchair.

The wheelchair has been designed for use in and outdoors.

The Ibis 12" is a push-wheelchair, which means that the wheelchair can only be moved when another person pushes the wheelchair.

The Ibis 24" is a push-hoop-wheelchair, which means that the wheelchair can be pushed, and in addition can be moved by yourself, if you push the hoops around the back wheels.

The wheelchair is not meant to be used as a seat in a motor vehicle.

If you use the wheelchair for other purposes than those for which it is intended, Handicare accepts no liability whatsoever for damage or injury resulting from such use other than that for which the wheelchair was developed.

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¹Use according to purpose' as established in EN 292-1 is the use for which the technical product is suitable according to the statement of the manufacturer, including his instructions in the sales brochure. In case of doubt this is the use that follows from the construction, execution and function of the product. Use according to purpose also includes taking into consideration the instructions in the owner's manual.

1 General safety regulations and instructions

Handicare accepts no liability whatsoever for damage or injury caused by the failure to (strictly) adhere to the safety guidelines and instructions or else due to carelessness during the use and cleaning of the wheelchair and possible accessories. Depending on the specific work circumstances or the accessories used, additional safety instructions may be required. Please contact your dealer immediately if you observe a potential danger during the use of the product.



The user of the wheelchair (see under 'use according to purpose') is at all times fully responsible for the fulfilment of the locally applicable safety regulations and guidelines.

1.1 Decals and instructions on the wheelchair

Signs, symbols and instructions placed on this wheelchair comprise part of its safety facilities. They must never be covered or removed and must remain present and clearly legible throughout the entire lifespan of the wheelchair. Immediately replace or repair illegible or damaged signs, symbols and instructions. Contact your dealer with regard to this.

1.2 Technical specifications

The technical specifications may not be changed.

1.3 Modifications

Modification of (parts of) this product is not permitted.

1.4 Safety

To avoid accidents and undesirable situations, it is of great importance to pay attention to the following safety instructions.



- *Pay extra attention to riding on slopes:*
 - *Do not ride with the Ibis on a slope with an angle of more than 5° (ascending percentage of 9%).*
 - *Slopes always drive slowly and with awareness.*
 - *The wheelchair is less stable on a slope and has less sideways stability.*
 - *Do not ride on a slope if the seat is tilted.*



- *Be sure that no items of clothing hang loose.*
These could be caught between the wheels while riding the wheelchair.
When tilting the seating system, parts of the wheelchair could be caught between the wheels or the mechanism.



- *Adjust your riding according to the circumstances:*
 - *Be especially careful on slippery roads, resulting from rain, ice, or snow!*
 - *Avoid the Ibis from coming into contact with sea water. Sea water is caustic and may damage the wheelchair.*
 - *Avoid the Ibis from coming into contact with sand. Sand can affect the moving parts of the wheelchair, resulting in unnecessarily rapid wear.*
 - *Never operate the wheelchair when you are under the influence of drugs, alcohol or medication that could affect your driving ability.*
 - *You must have sufficient visual acuity to be able to drive safely in the wheelchair.*

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2 Adjustment options

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2.1 The Sedeo® seating frame

The wheelchair has a unique seating system made by Handicare, known as Sedeo®. Sedeo is the Latin word for: 'I sit'.

Functions of the Sedeo® seating system

The Sedeo® seating system offers outstanding support for:

1. The body:
The sitting position is well supported with a total range of solutions for the head, the torso, arms, pelvis, upper legs, lower legs and feet, both in terms of posture and pressure distribution.
2. The range of body functions:
The body is supported in such a way that you can carry out a wide variety of actions, because you can move into a stable sitting position.

A specialist or authorized representative should adjust the wheelchair. Erroneous settings can lead to negative consequences for both your sitting position and the driving characteristics, as well as performance of your wheelchair.

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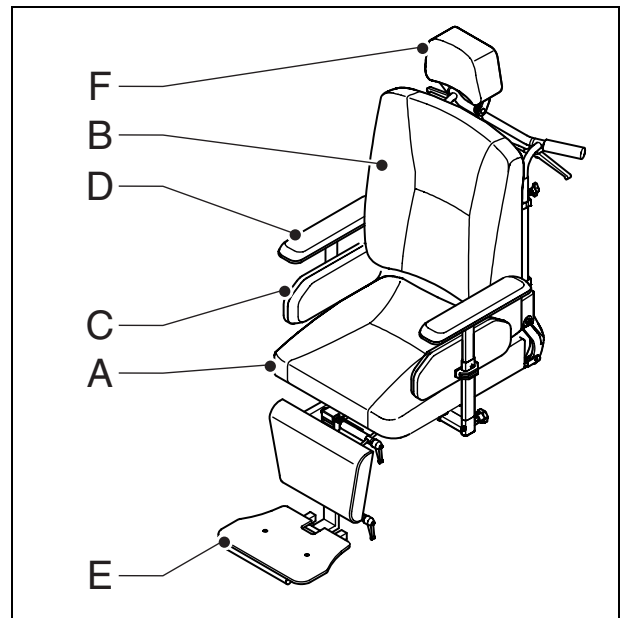
2.1.1 Adjusting the Sedeo® seating frame

- See fig. 010501010.

All body parts are supported by the proper setting of the Sedeo® seating system. This includes:

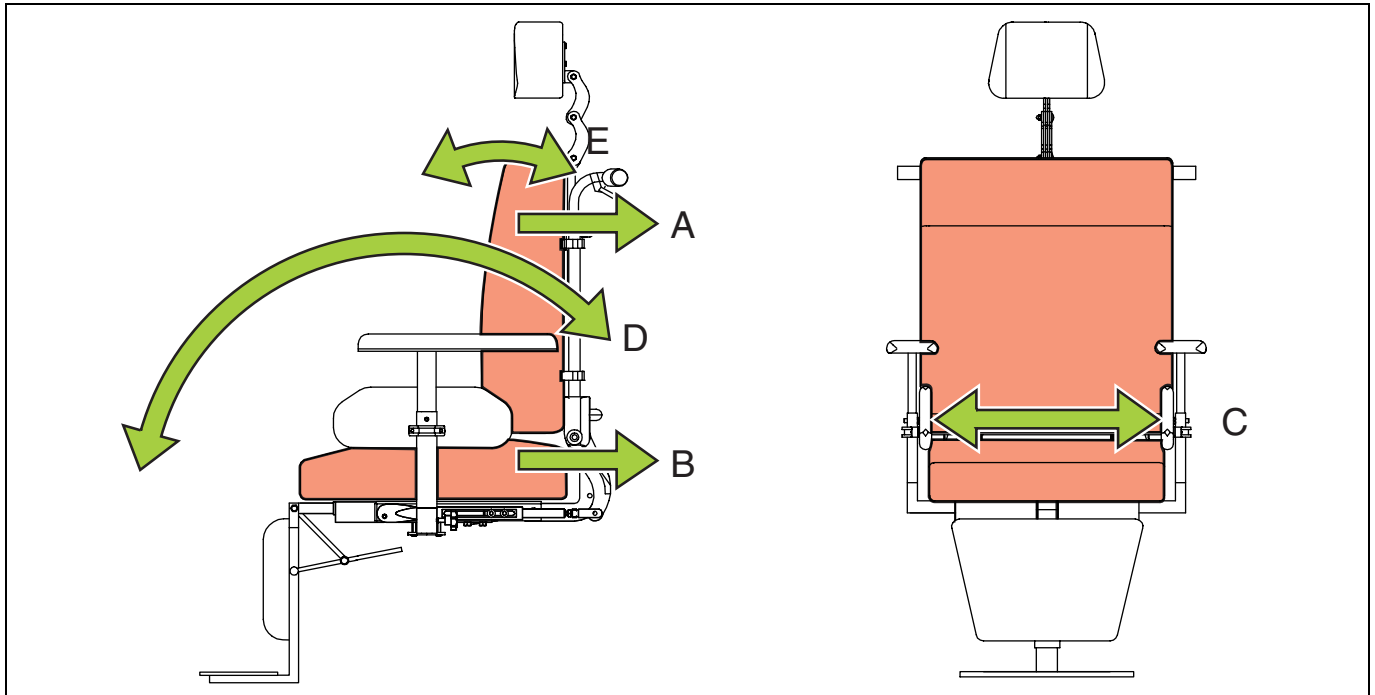
- A. Seat.
- B. Backrest.
- C. Side panel.
- D. Armrest.
- E. Legrest
- F. Headrest (option).

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2.2 Seating adjustments

- See fig. 010502000.



The following parts of the seating system can be adjusted:

- The depth. See 'Adjusting the seat depth' (A) and 'Position of the seat cushion' (B).
- The width (C). See 'Adjusting the seat width'.
- The seat angle (D). See 'Adjusting the seat angle'.
- The back angle (E). See 'Adjusting the back-support'.

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2.2.1 Adjusting the seat depth

- See fig. 010502020.

The seat depth can be adjusted between approximately 44 cm and 52 cm (17" and 20") by shifting the backrest.

The seat depth adjustment should be done as follows:

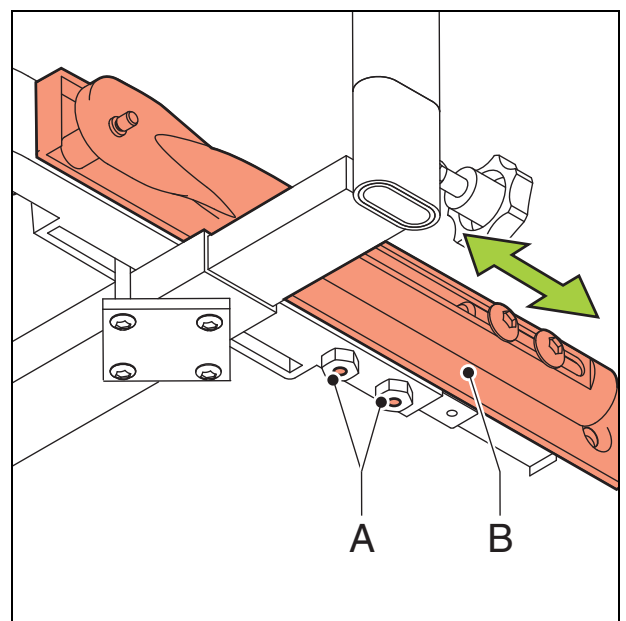
- Loosen the locking bolts (A) on both sides of the chair frame a half turn (180°) loose with an Allen key with a key width of 4 mm.
- Slide the backrest (B) to the desired depth.



To promote good circulation in your legs and not restrict the nerves, we recommend at least 2 cm (approx. 1") free space between your knees and the front of the seat.

- Tighten the locking bolts on both sides securely.

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2.2.2 Position of seat cushion

- See fig. 010502050.

The seat cushion can be fastened to the frame in three positions. This allows the seat depth to be reduced.

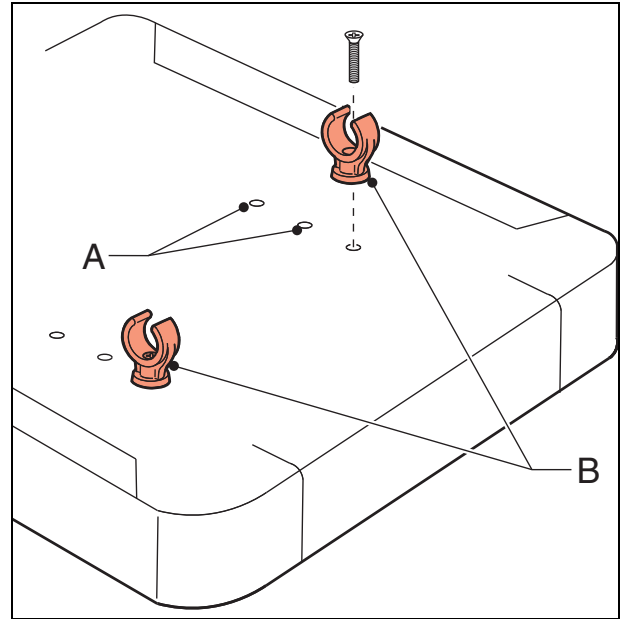
The location of the seat cushion can be changed as follows:

- Remove the seat from the chair by pulling it up.
- Loosen the two clamps (B) with a Phillips screwdriver PH2.
- Place the clamps at one of the other places (A).
- Place the seat on the chair by clicking the clamps on the front round tube of the seat frame.



Check whether the seat is clicked in place securely.

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2.2.3 Adjusting the seat width

- See fig. 010502030.

The space between the two armrests can be adjusted as desired between 36 cm and 52 cm (15" and 20"). The holder for the armrests can be shifted in width on both sides.

Do the adjustment, or have it done by someone, and then take your seat in the chair.

The seat width adjustment should be done as follows:

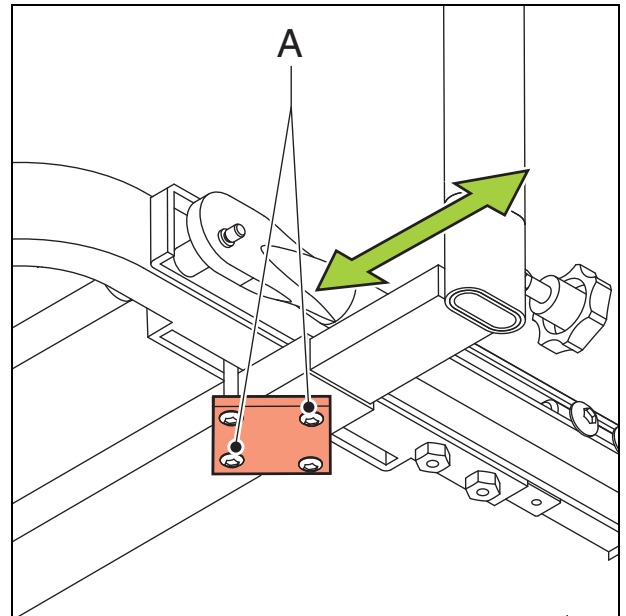
- Loosen the two Allen bolts (A) on both sides of the chair frame with an Allen key with a key width of 4 mm.
- Slide the armrests to the desired width.



Set the side panels equally, in such a way that you feel comfortable and that you have enough support and enough freedom of movement.

- Tighten the Allen bolts properly on both sides.

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2.2.4 Adjusting the seat angle

- See fig. 010502040.

The seat angle of the seating system can be adjusted continuously using the tilting mechanism.

See 'Tilting the seating system'.

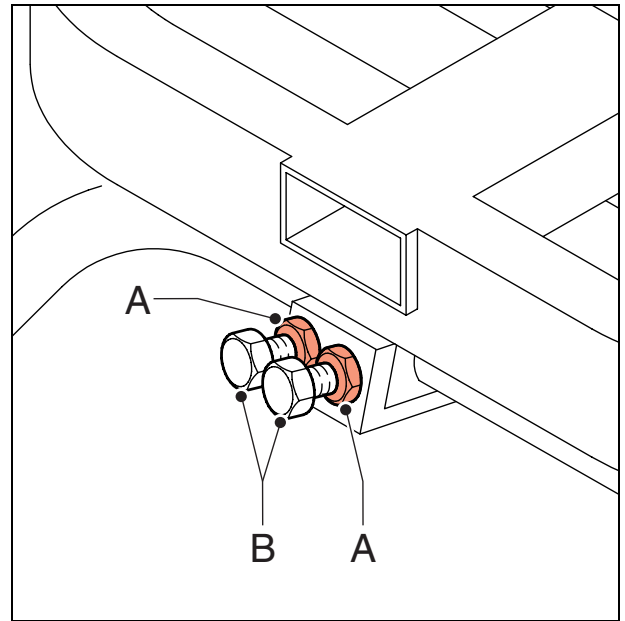
The minimum seat angle of this tilting mechanism can be adjusted for each user individually. Using this adjustment, the assistant can set the seating system in the pre-set angle and use it as the basic position.

Before adjusting the minimum seat angle you must leave the chair.

The minimum seat angle must be adjusted as follows:

- Loosen both nuts (A) with a spanner with a key width of 13 mm.
- Adjust the new angle by turning the bolts (B) in or out some more.
Turning them out will increase the seat angle.
Turning them in will decrease the seat angle.
- Tighten the nuts in the position finger-tight.
- Try the new position.
- Lock the new seat angle by tightening both nuts securely.

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2.3 Adjusting the back-support angle

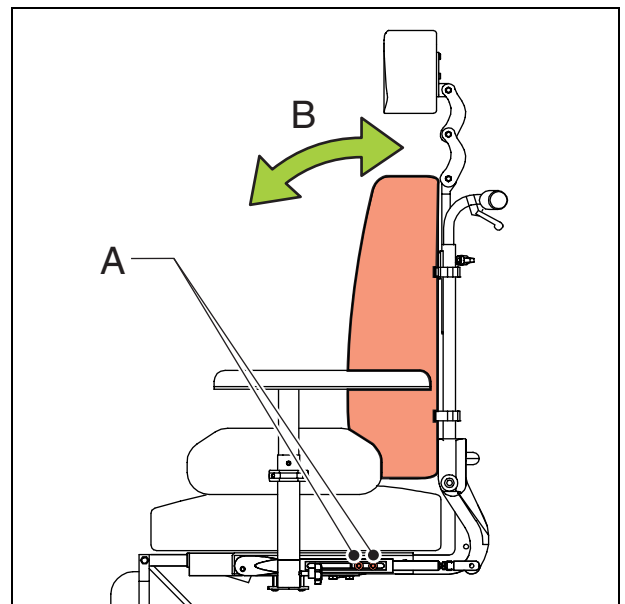
- See fig. 010503010.

For optimal seating comfort the angle (B) of the backrest can be adjusted continuously.

The angle of the backrest can be adjusted as follows:

- Loosen the two Allen bolts (A) on the left side of the back, under the seat, two turns with an Allen key with a key width of 5 mm.
- Adjust the desired back angle (B).
- Tighten the Allen bolts again.

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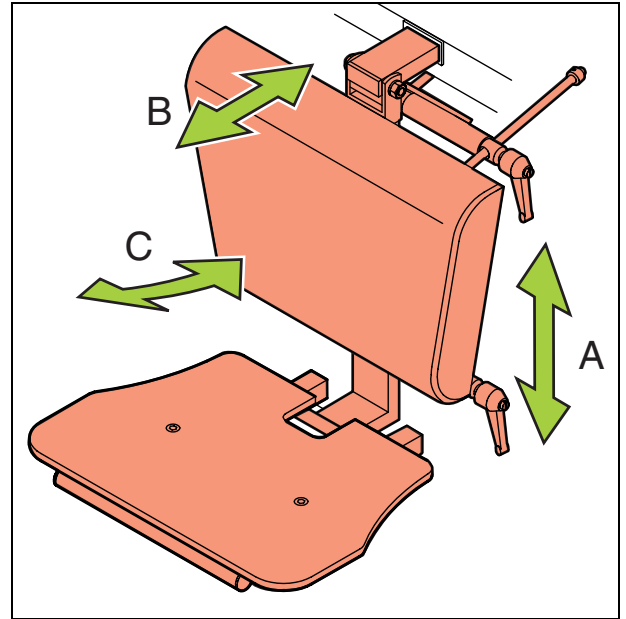
2.4 Single footplate settings

- See fig. 010505000.

For an optimum support of the legs, the following adjustments can be made to the central leg-support:

- A. Lower leg length
- B. Depth of leg-support
- C. Knee angle

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2.4.1 Adjusting the lower leg length

- See fig. 010505010.

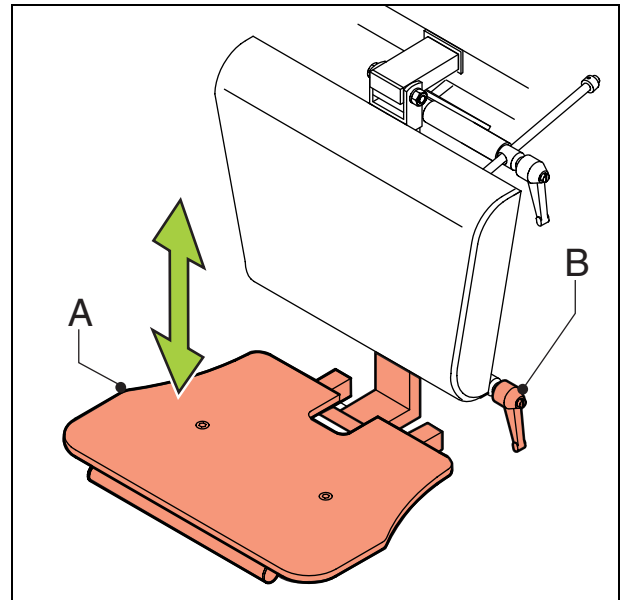
The lower leg length can be adjusted continuously. This should be done as follows:

- Loosen the clamp (B) by hand.
- Adjust the support with the footplate (A) to the desired length.
- Tighten the clamp tightly, so that the footplate cannot slip.



Make sure that there is sufficient free space underneath the footplate to operate the wheelchair over obstacles without the footplate becoming stuck.

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2.4.2 Adjusting the depth of the leg-support

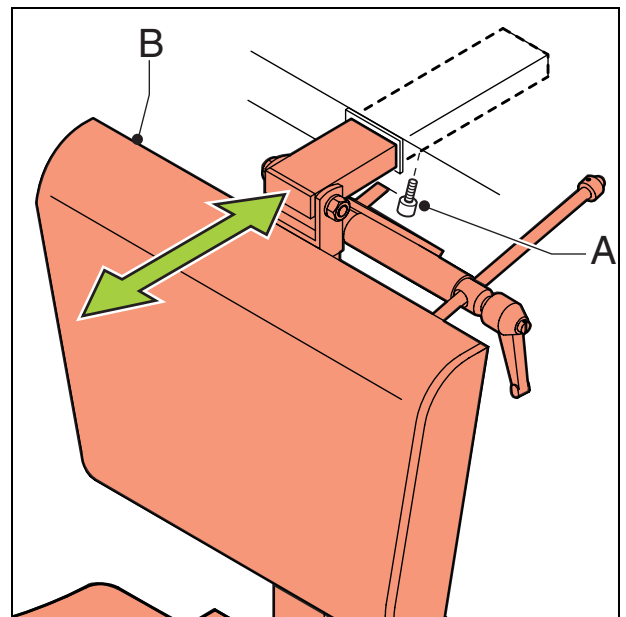
- See fig. 010505020.

Depending on the length of the upper legs, the leg-support can be adjusted in terms of depth.

The adjustment of the depth of the leg-support should be done as follows:

- Loosen the Allen bolt (A) a few turns with an Allen key with a key width of 6 mm.
- Adjust the desired depth by sliding the entire leg-support forward or backward.
- Tighten the Allen bolt securely again.

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2.4.3 Adjusting the knee angle

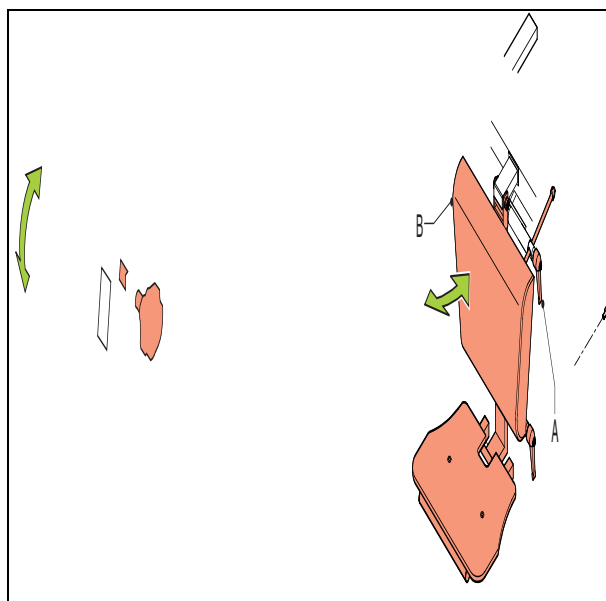
- See fig. 010505030.

The knee angle can be adjusted. This way, the most comfortable knee angle can be chosen.

The angle of the central leg-support should be adjusted as follows:

- Loosen the clamp (A) by hand.
- Now, the support (B) can be put into the most comfortable position by hand.
- Once the desired angle has been found, the clamp should be tightened securely, so that the set angle cannot slip.

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2.5 Adjusting the legrests

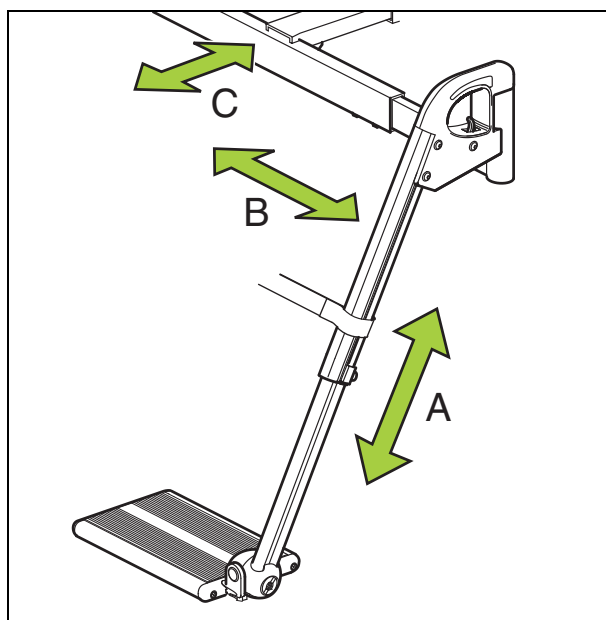
See fig. 010504000.

Adjustment possibilities of the legrests:

- A. Length.
- B. Width.
- C. Depth.

Legrests also have an optional angle adjustment.

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2.5.1 Adjusting the length of the lower-legrests

See fig. 010504010.

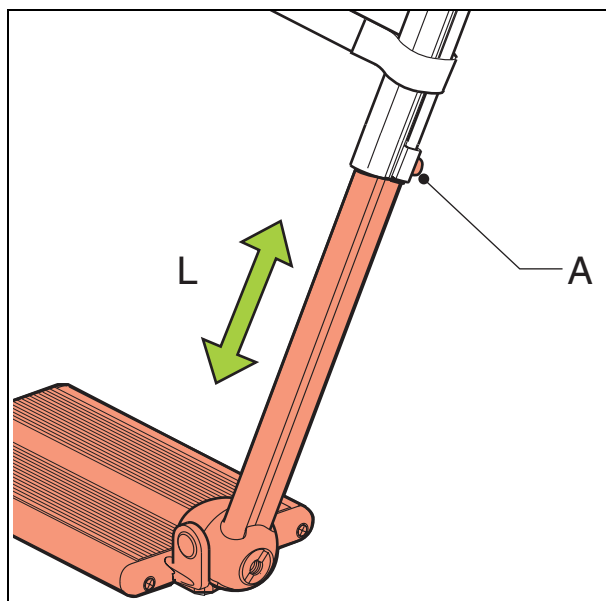
The adjustment of the length (L) of the legrests should be done as follows:

- Loosen the set bolt (A) a few turns with an Allen key with a key width of 4 mm.
- Adjust the length of the legrest.
- Tighten the set bolt again.



Make sure that there is sufficient free space under both footplates to be able to drive the wheelchair over obstacles, without impacting the footplates.

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2.5.2 Adjusting the width of the legrests

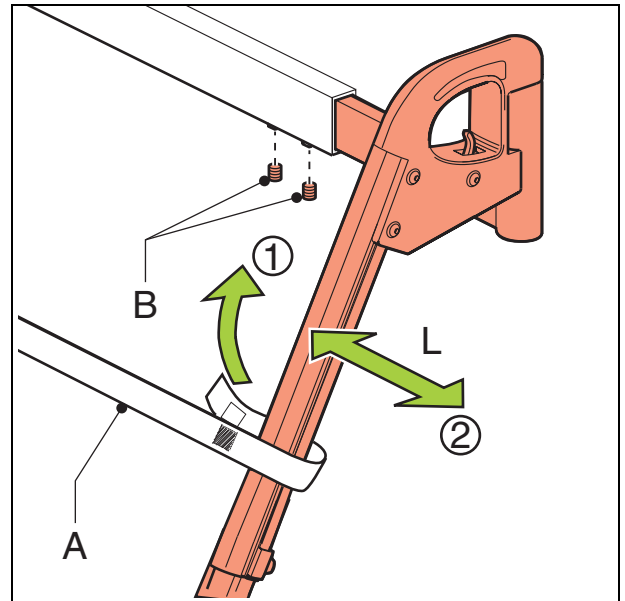
See fig. 010504020.

The space between two legrests can be optimally adjusted for various seat widths.

The adjustment of the width of the legrests should be done as follows:

- First remove the calf strap (A) by pulling out the piece that is attached with Velcro.
- Loosen the two set screws (B) a few turns with an Allen key with a key width of 4 mm.
- Slide the legrests apart or toward each other and determine the desired seat width (L).
- Tighten the set bolts securely again.
- Fasten the calf strap again for this new seat width.

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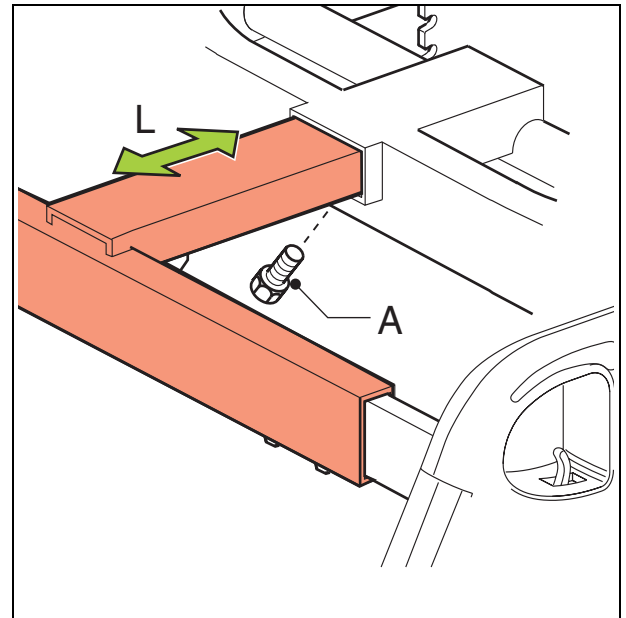
2.5.3 Adjusting the depth of the legrest

See fig. 010504030.

Depending on the length of the upper legs, the legrests can be adjusted in terms of depth.

The adjustment of the depth of the legrests should be done as follows:

- Loosen the Allen bolt (A) a few turns with an Allen key with a key width of 6 mm.
- Adjust the desired depth by sliding the entire suspension bracket forward or backward.
- Tighten the Allen bolt securely again.



If the legrests are set too far backward (too close to the chair) it is possible that the swivel castors touch the legrests when driving backward or maneuvering. If this is the case, the legrests must be brought forward a bit: there must be at least 1 cm (3/8") cm between wheel and legrest.



If the legrests are set too far forward, it is possible that the suspension bracket of the legrest comes out from under the seat and pushes into the knees uncomfortably. If this is the case, the seat should be adjusted forward. See 'Position of the seat cushion'.

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2.5.4 Comfort legrest with gas-spring angle adjustment

See fig. 010504050.

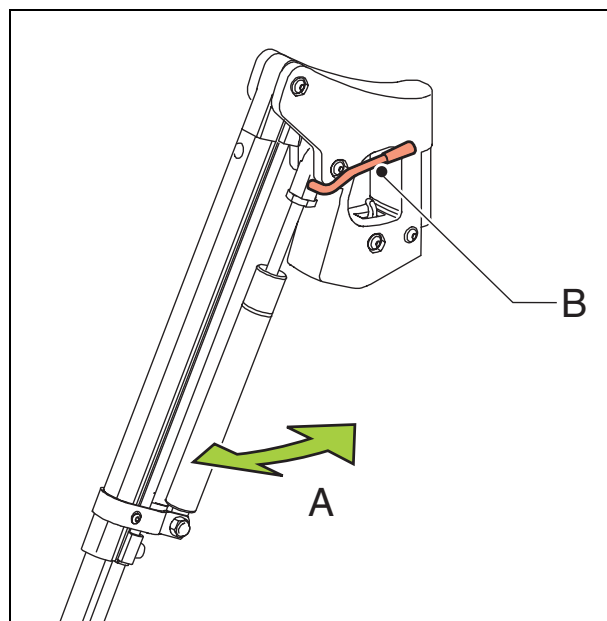
The comfort legrests are angle adjustable (A) independently of each other. There is a gas spring on each legrest that delivers enough force to allow the legrest to go up easily. If you wish to adjust the angle of the legrest, move your leg upward so that the legrest can move upward freely.

The adjustment of the angle of the legrests can be done as follows:

- Push the handle (B) forward.
Now the gas spring is unlocked.
- Place your leg in the desired position and hold it until the legrest comes against your leg.
- Release the handle.
In this position the legrest is fixed and you can allow your leg to rest.

If the legrest is too high, do the following:

- Push the handle (B) forward.
Now the gas spring is unlocked.
- Push the legrest with a light pressure from your leg in the desired position and hold it in that position.
- Release the handle.
In this position the legrest is fixed and you can allow your leg to rest.



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2.6 Adjusting the footplate

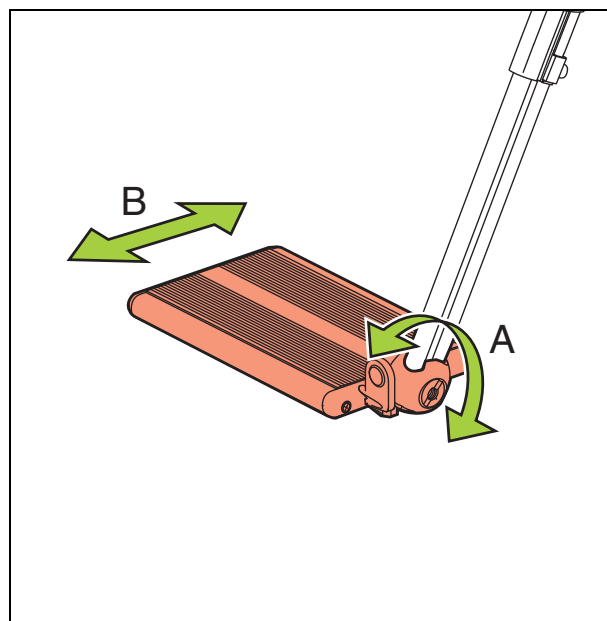
- See fig. 010506000.

The following can be adjusted on the footplate:

- A. The angle.
- B. The depth.

The footplate can also be folded up to ease transfer and positioning.

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2.6.1 Adjusting the angle of the footplate

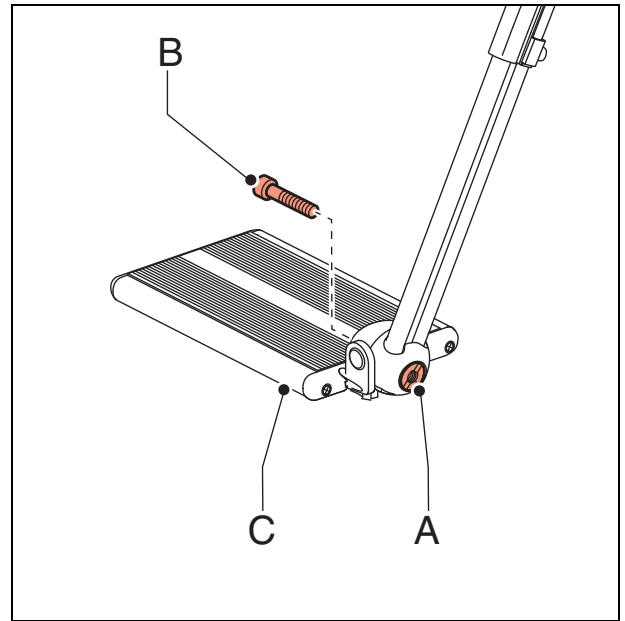
- See fig. 010506010.

The angle of the footplate can be adjusted with respect to the lower leg in steps of 5°.

The angle of the footplate should be adjusted as follows:

- Loosen locking nut (A) with a large screwdriver.
- Then loosen the Allen bolt (B) on the inside of the footplate (C), with an Allen key with a key width of 6 mm, so far that the teeth of the hinge come completely free. Now the footplate can be freely adjusted.
- Adjust the desired angle of the footplate and push the hinge manually together again.
- Tighten the Allen bolt securely.
- Lock the Allen bolt with the locking nut.

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2.6.2 Adjusting the depth of the footplate

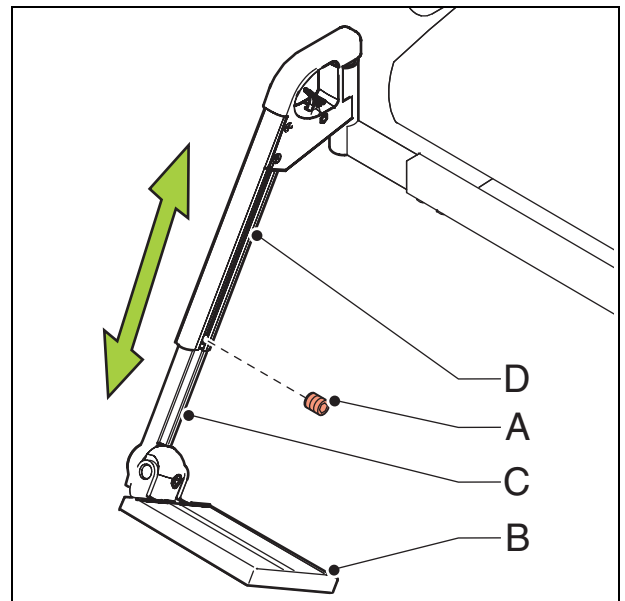
- See fig. 010506020.

The depth of the footplate can be adjusted in two different positions. For this the left and right footplate should be exchanged.

The exchanging of the footplates should be done as follows.

- Remove the calf strap. See 'Removing calf strap'.
- Loosen the set bolt (A) a few turns with an Allen key with a key width of 4 mm.
- Let the footrest (B) lower together with the profile (C) from the top tube (D).
- Exchange both footplates for each other and slide them into the top tubes.
- Adjust the footplates to the desired height.
- Tighten the setscrews.
- If necessary readjust the angle of the footplate, see 'footplate angle adjustment'.

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2.7 Adjusting the armrest

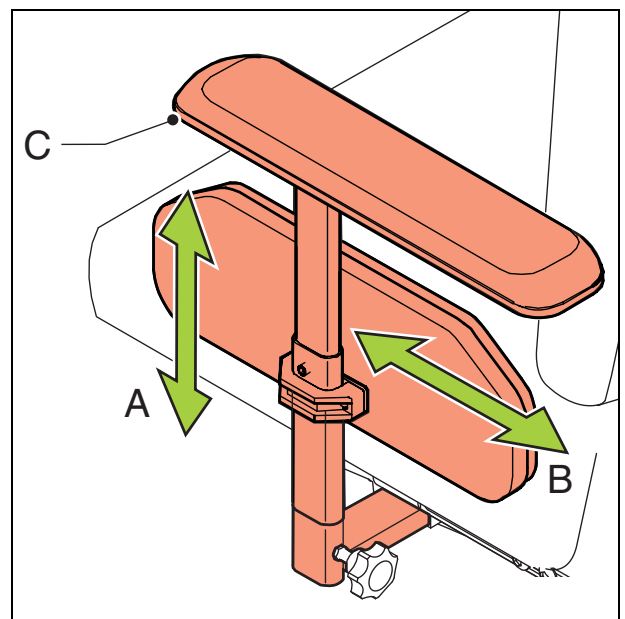
- See fig. 010508000.

The armrests provide support to the arms to limit the burden on the shoulders. For this purpose the armrests can be adjusted in terms of height (A) and depth (B).

The armrests can also be removed (C), to make space to leave the wheelchair sideways, for example if you make a transfer from a car seat.

By removing the armrests the wheelchair can be made smaller, which and it simplifies transport.

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2.7.1 Adjusting the height of the armrest

See fig. 010508010.

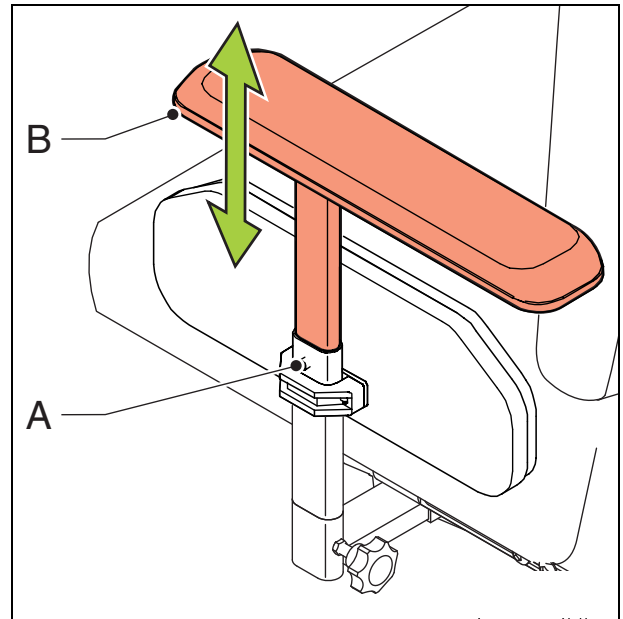
The height adjustment can be done as follows:
Loosen set bolt (A) with an Allen key with a key width of 4 mm.
Slide the armrest (B) to the desired height.



Make sure that the arms are well supported, without the shoulders being pushed upward.

- Tighten the setscrew again.

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2.7.2 Adjusting the depth of the armrest

- See fig. 010508020.

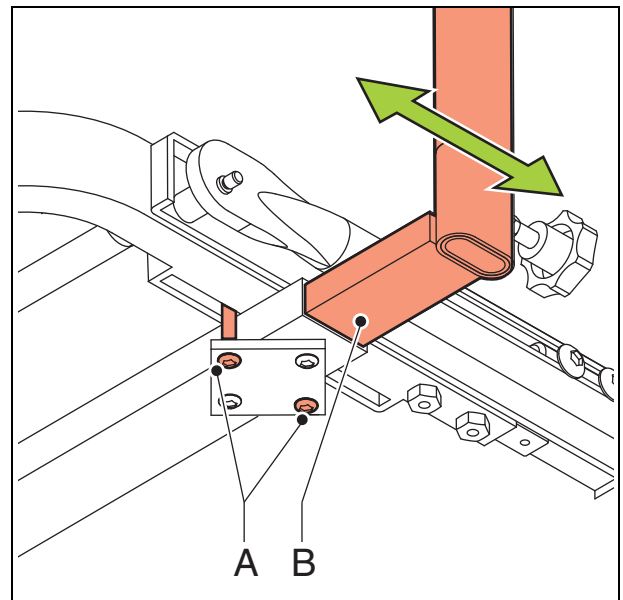
The depth adjustment of the armrests should be done as follows:

- Loosen the Allen bolts (A) on both sides of the chair with an Allen key with a key width of 4 mm.
- Slide the armrests (B) in the desired position.
- Tighten the Allen bolts again.



Note that the adjustment is carried out equally on the left and the right side.

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2.8 Adjusting the height of the side panel

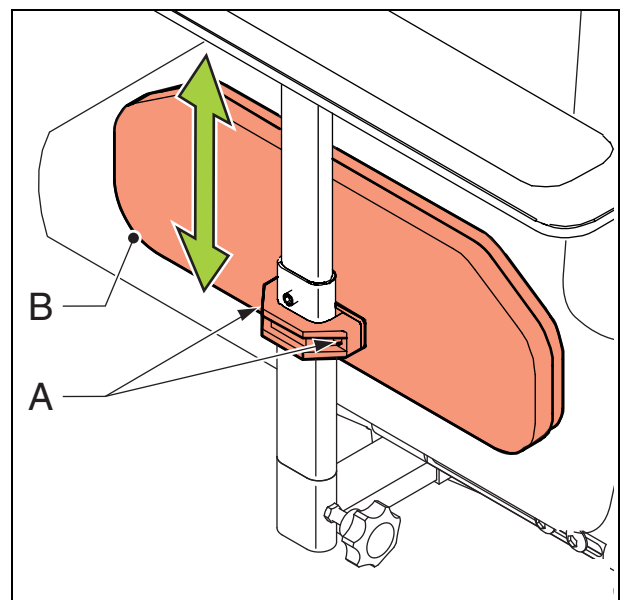
- See fig. 010509010.

The side panels should provide sufficient support and sufficient freedom of movement so that you can assume a comfortable position in the chair.

The side panels can be adjusted in height.

- The height adjustment can be done as follows:
- Flip off the studs from the inside of the side panel.
- Loosen both crosshead screws (A) a couple of twists, using a Phillips screwdriver PH 2. Keep the nuts from turning by holding them on the inside with a socket wrench with a key width of 8 mm.
- Slide the side panel (B) at the desired height.
- Tighten the crosshead screws securely again.
- Replace the studs.

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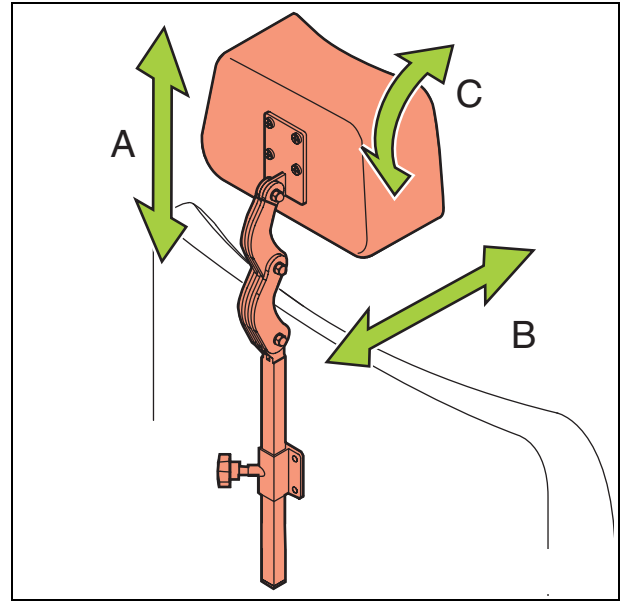
2.9 Adjusting the headrest (option)

- See fig. 010510000.

A headrest can be attached to the back of the backrest.
The headrest can be adjusted in:

- A. Height.
- B. Depth.
- C. Angle.

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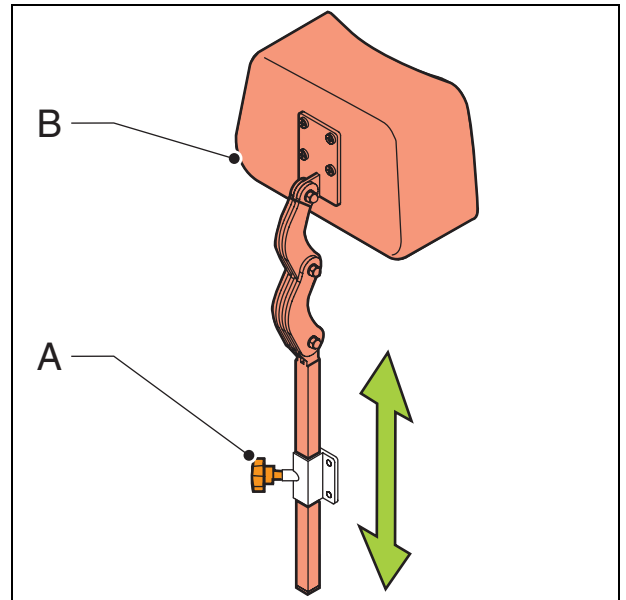
2.9.1 Adjusting the height of the headrest

- See fig. 010510010.

The height adjustment can be done as follows:

- Loosen the wing nut (A) a few turns.
- Slide the headrest (B) to the desired height.
- Securely tighten the wing nut again so that the headrest cannot shift.

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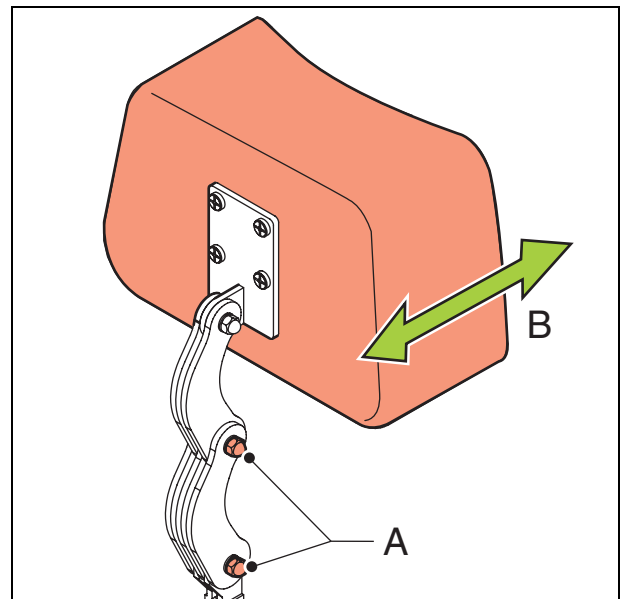
2.9.2 Adjusting the depth of the headrest

- See fig. 010510020.

The depth adjustment should be done as follows:

- Loosen the two bolts (A) a bit with a spanner with a key width of 10 mm.
- Set the desired headrest depth (B).
- Tighten the two bolts securely again.

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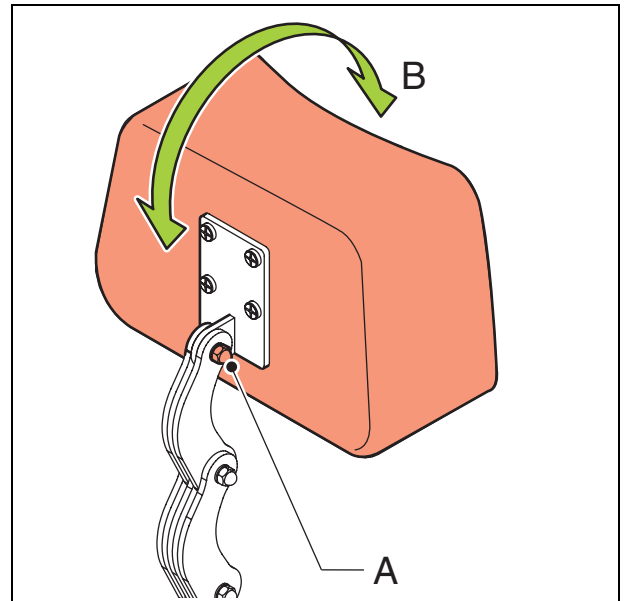
2.9.3 Adjusting the angle of the headrest

- See fig. 010510030.

The adjustment of the angle should be done as follows:

- Loosen the bolt (A) a bit with a spanner with a key width of 10 mm.
- Set the desired angle (B).
- Tighten the bolt securely again.

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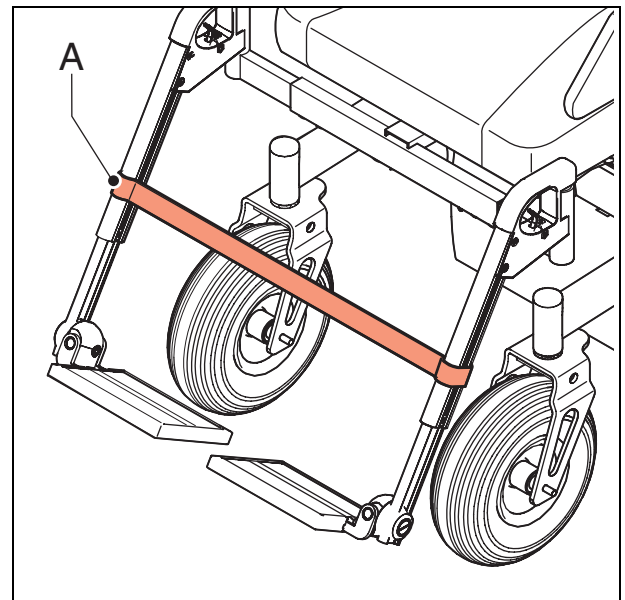


2.10 Adjusting the calf strap

- See fig. 010511000.

The calf strap (A) serves to support the calves and is attached to the legrests. The calf strap can be removed to make transfer in and out easier.

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2.11 Adjusting the calf pad (option)

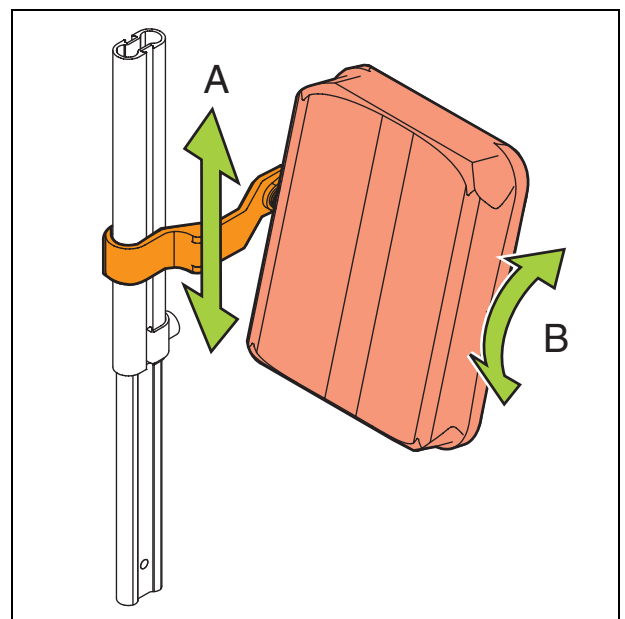
- See fig. 010512000.

The calf pad serves to support the calf and is placed on a leg support.

The calf pad can be adjusted in:

- A. Height.
- B. Angle.

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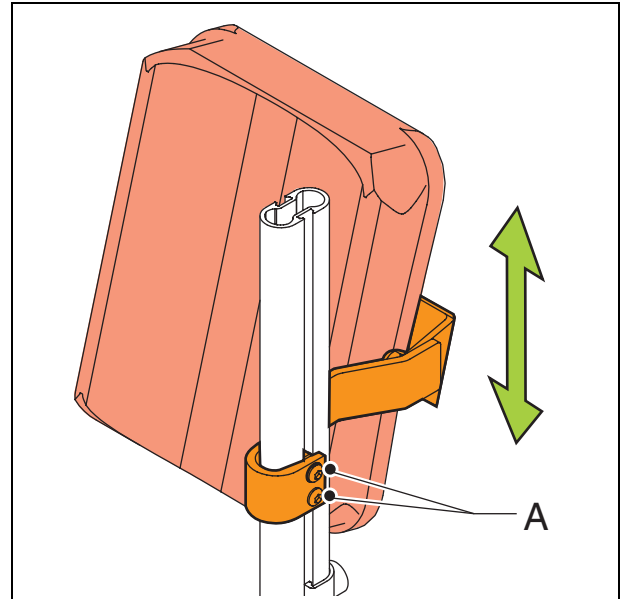
2.11.1 Adjusting the height of the calf pad

- See fig. 010512010.

The calf pad can be adjusted in height as follows:

- Loosen Allen screw (A) a few turns with an Allen key with a key width of 4 mm.
- Slide the calf pad up to the desired height.
- Tighten the Allen screw again.

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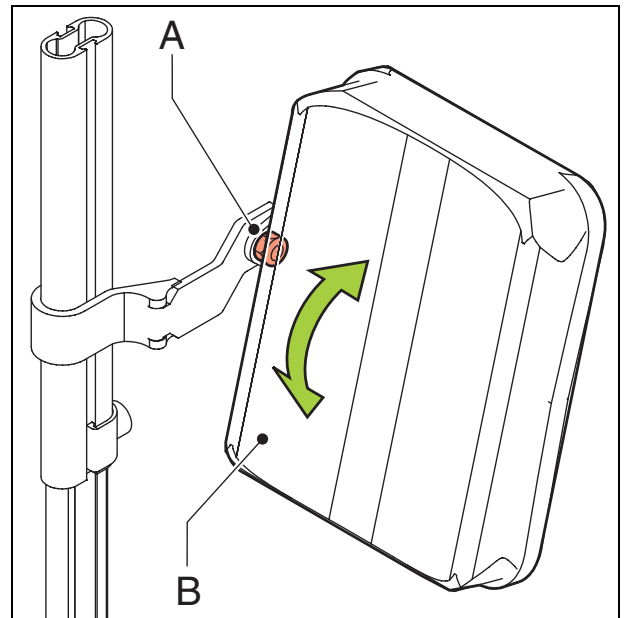
2.11.2 Adjusting the angle of the calf pad

- See fig. 010512020.

The angle of the calf pad can be adjusted as follows:

- Loosen nut (A) a few turns with a spanner with a key width of 13 mm.
- Place the calf pad (B) in the desired position.
- Tighten the nut again.

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2.12 Adjusting the height of the push bracket

- See fig. 010517010.

The push bracket can be adjusted in height, so that the assistant can push the wheelchair in a position that is as comfortable as possible.

The push bracket can be adjusted in height as follows:

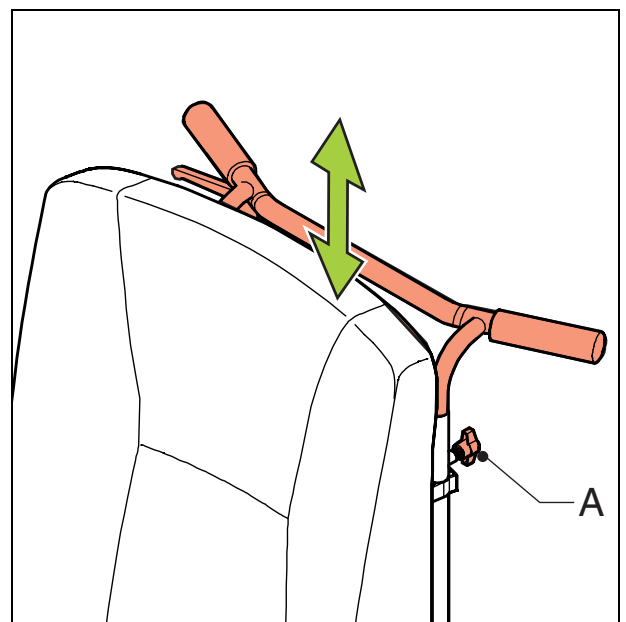
- Loosen both winged screws (A).
- Slide the push bracket up or down to the desired height.
- Tighten both winged nuts tightly, so that the push bracket cannot slip.

•



Attention:
If the push bracket is not
able for the tilt-adjustment option may not be
used too taut.

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3 Maintenance

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3.1 Maintenance table

Everything that is used, should be maintained. This is also true for your wheelchair.

Below is indicated what needs to be checked, in what frequency and by whom.

Time	Description	To be executed by	
		User	Dealer
Weekly	Checking the tire pressure	X	-
Monthly	Cleaning of the quick-release axles of the wheels. Only for Ibis 24"	X	-
	Lubricating these quick-release axles with silicone grease (from spray can). Never use any other grease or oil, because these attract dirt.	X	-
	Cleaning of the frame.	X	-
	Cleaning of the upholstery (if necessary)	X	-
Annually (if necessary)	General overhaul	-	X
	Checking the bearings	-	X
	Checking all fastenings and bolts; tighten if necessary	-	X
	Checking and cleaning of the brakes.	-	X

It is recommended to have your wheelchair serviced by your dealer at least once a year, or, in case of intensive use, once every six months.

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3.2 Back wheels 12"

For the proper functioning of the wheelchair it is very important that the tires are at the right tension.

Soft tires yield less optimal driving for the wheelchair. It also costs more energy to move the wheelchair forward. Moreover, tire wear when driving on soft tires is unnecessarily great.

For the right tire tension, see 'Product specifications'.



Note when filling the tires that the pressure never exceeds the maximum specified value provided in the table 'product specification', or as indicated on the side of the tire. In case of doubt contact the dealer / supplier.

For inspection of the tires, see 'maintenance table'.

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3.2.1 Tire repair back wheel 12"

When repairing the inner tube of a back wheel, the wheel should be braked, so that it does not rotate at the same time.

Repairing a leaking tire should be done as follows:

- Support the wheelchair so that the wheel is elevated.
- Let the tire run empty completely by pulling out the valve.
- Using tire levers, pull the front of the tire across the edge of the rim.
- Carefully pull the inner tube across the edge of the rim.
- Push the valve from the opening in the rim.
- Pull the inner tube from the tire for repair or replacement.
- Repair the inner tube or replace it.

Now, the repaired or new inner tube should be placed as follows:

- Put the valve of the inner tube through the opening in the rim.
- Press the inner tube into the tire.
- Place the tire around the rim.
- Use tire levers to place the tire around the rim: be careful not to damage the inner tube with the tire levers.
-



The inner tube must not become jammed between the rim and the tire.

- Pump up the inner tube, see 'technical data'.
- Remove the support from the wheelchair.
The wheelchair is ready to drive again.

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3.2.2 Replacing tire of back wheel 12"

When replacing a tire of a back wheel, the wheel should be braked, so that it does not rotate at the same time.

The tire should be replaced as follows:

- Support the wheelchair so that the wheel is elevated.
- Let the tire run empty completely by pulling out the valve.
- Using tire levers, pull the front of the tire across the edge of the rim.
- Carefully pull the inner tube across the edge of the rim.
- Push the valve from the opening in the rim.
- Pull the inner tube from the tire.
- The whole tire can now be removed.

Now the tires (with repaired or new inner tube) should be assembled as follows:

- Place one side of the tire around the rim.
- Put the valve of the inner tube through the opening in the rim and press the inner tube into the tire.
- Place the tire around the rim.
- Use tire levers to place the tire around the rim: be careful not to damage the inner tube with the tire levers.
-



The inner tube must not become jammed between the rim and the tire.

- Pump up the inner tube, see 'technical data'.
- Remove the support from the wheelchair.
The wheelchair is ready to drive again.

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3.2.3 Replacing the back wheel 12"

- See fig. 020712010.

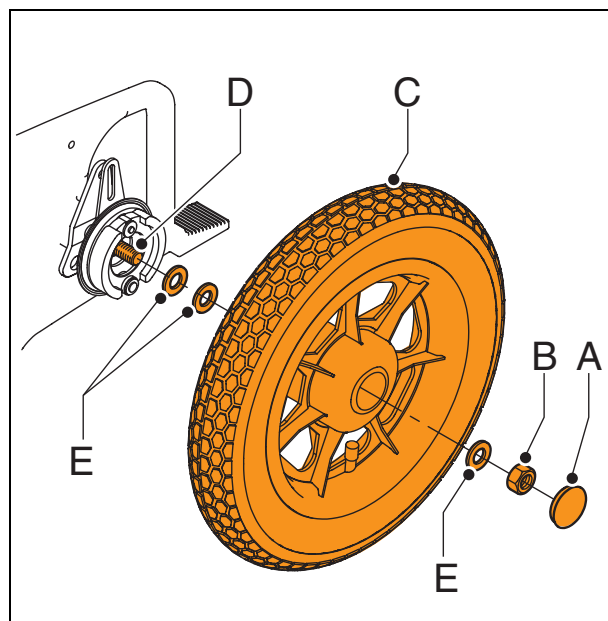
When replacing the rim on a back wheel, the wheel may not be braked.

Replace this as follows:

- Support the wheelchair so that the wheel is elevated.
- Remove the cap (A) with a screwdriver.
- Loosen nut (B) with a box spanner with a spanner width of 19 mm.
- Pull the wheel (C) off the shaft (D).
- Take care not to lose the washers (E).

Now the new wheel can be placed in reverse order.

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3.2.4 Replacing rim of back wheel 12"

To replace the rim of the drive wheel, see:

- 'repairing the tire of the drive wheel';
- 'replacing the tire of the drive wheel';
- 'replacing the drive wheel'.

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3.3 Back wheels 24"

For the proper functioning of the wheelchair it is very important that the tires are kept at the correct pressure.

Soft tires yield less optimal driving for the wheelchair. It also costs more energy to move the wheelchair forward. Moreover, tire wear when driving on soft tires is unnecessarily great.

For the right tire tension, see 'Product specifications'.



Note when filling the tires that the pressure never exceeds the maximum specified value provided in the table 'product specification', or as indicated on the side of the tire. In case of doubt contact the dealer / supplier.

For inspection of the tires, see 'maintenance table'.

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3.3.1 Tire repair back wheel 24"

Repairing a leaking tire should be done as follows:

- Remove the back wheel to be repaired from the wheelchair. See 'Removing the back wheels'.
- Twist off the valve to let the air out of the tire completely.
- Using tire levers, pull one side of the tire across the edge of the rim.
- Remove the inner tube from the rim.
- Repair the inner tube or replace it (this is done in the same way as a bicycle tire).

Now the tire (with repaired or new inner tube) should be assembled as follows:

- Put the valve through the opening in the rim.
- Carefully place the tire around the rim.
- Add a little air to the inner tube in order to position it comfortably around the rim.
- Pull the tire onto the rim as far as possible.
- Allow all air to escape from the inner tube.
- Now pull the tire completely onto the center of the rim as tightly as possible.
The rim has a room into which the tire must be pulled, in order to create sufficient space to be able to pull the complete tire onto the rim by hand.
- Pull the tire completely onto the rim.



Do not use tire levers to do this, because the inner tube is easily damaged by these. Moreover, the tire is easily assembled without tire levers.

- Make sure that the tire is properly fitted onto the rim.



The inner tube may not protrude from under the tire anywhere!

- Pump up the tire.
- Mount the wheel back onto the wheelchair. See 'Removing the back wheels'.

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3.3.2 Replacing tire of back wheel 24"

The tire should be replaced as follows:

- Remove the back wheel to be repaired from the wheelchair. See 'Removing the back wheels'.
- Twist off the valve to let the air out of the tire completely.
- Using tire levers, pull one side of the tire across the edge of the rim.
- Remove the inner tube from the rim.
- Remove the other part of the tire from the rim.

Now install a new tire as follows:

- Place one side of the new tire across the rim.
- Put the valve through the opening in the rim.
- Carefully place the tire around the rim.
- Add a little air to the inner tube in order to position it comfortably around the rim.
- Pull the tire onto the rim as far as possible.
- Allow all air to escape from the inner tube.
- Now pull the tire completely onto the center of the rim as tightly as possible.
The rim has a room into which the tire must be pulled, in order to create sufficient space to be able to pull the complete tire onto the rim by hand.
- Pull the tire completely onto the rim.



Do not use tire levers to do this, because the inner tube is easily damaged by these. Moreover, the tire is easily assembled without tire levers.

- Make sure that the tire is properly fitted onto the rim.



The inner tube may not protrude from under the tire anywhere!

- Pump up the tire.
- Mount the wheel back onto the wheelchair. See 'Removing the back wheels'.

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3.3.3 Removing the back wheels

- See fig. 020713020.

The back wheels have been mounted, complete with bearing system, using a quick-release system in the axle housing of the frame.

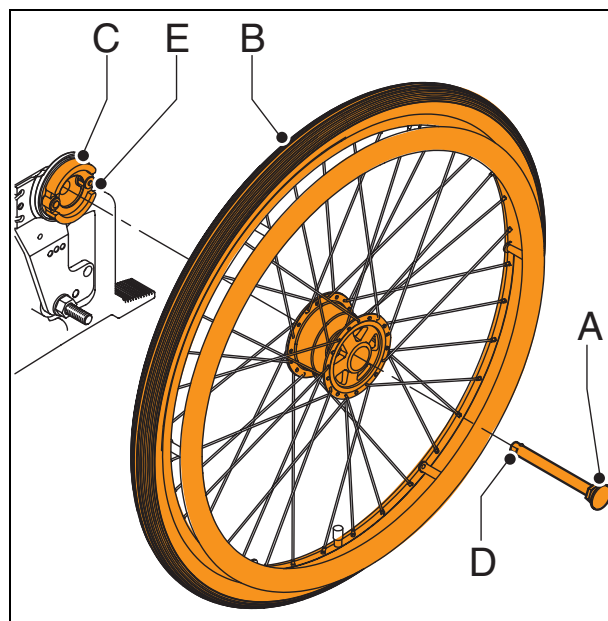
The back wheels should be removed as follows:

- Press button (A) in the center of the wheel hub (C) and keep it depressed.
- Remove the whole back wheel (A) by taking it outward.

The back wheel should be mounted as follows:

- Press button (A) in the center of the wheel hub (C) and keep it depressed.
- Slide pin (D) of the back wheel (B) into the axle housing (E) of the frame, as far as it goes.
- Release the button (A).

The back wheel is now secured automatically.



Always check the proper locking of the back wheels. Try to pull the wheel out of the frame in axial direction. If the wheel comes out, it is not properly secured. In that case, you should repeat the above actions.

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3.3.4 Replacing rim of back wheel 24"

To replace the rim of the back wheel, see:

- 'repairing the tire of the back wheel 24';
- 'replacing tire of back wheel 24';
- 'replacing the back wheel 24'.

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3.4 Swivel castors

For the proper functioning of the wheelchair it is very important that the tires are kept in order.

Solid tires that are worn yield less than optimal driving for the wheelchair. It also costs more energy to move the wheelchair forward. Moreover, unnecessary wear will occur to the rims.

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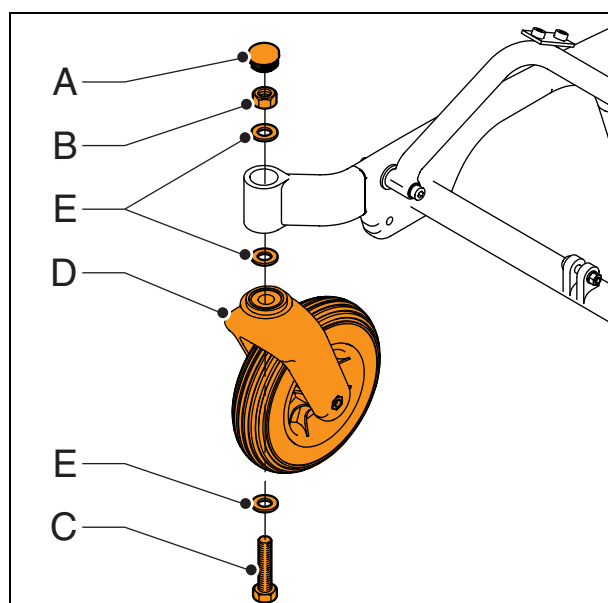
3.4.1 Replacing the swivel castor

- See fig. 020703030.

Replace the swivel castor as follows:

- Remove the front wheel from the fork; see 'replacing the front wheel'.
- Remove the plastic cover cap (A) with a screwdriver.
- Loosen the nut (B) using a ring spanner with a key width of 19 mm and stop the bolt (C) using a box spanner with a key width of 19 mm.
- Now the complete swivel castor (D) can be removed from the frame.
- Take care not to lose the washers (E).

Now the (new) swivel castor can be placed in the reverse order.



*Attention:
The locknut may not be used again – use a new one when replacing.*

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3.4.2 Replacing the front wheel

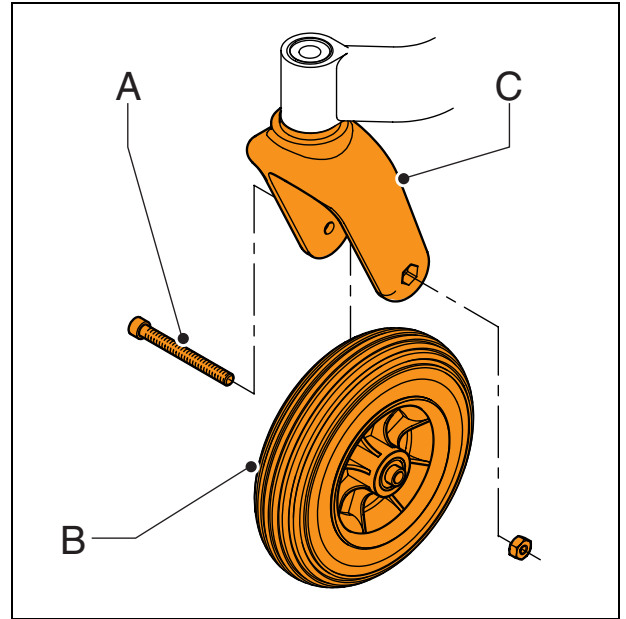
- See fig. 020703040.

Replace the front wheel as follows:

- Loosen the Allen bolt (A) with an Allen key with a key width of 5 mm.
Now the wheel (B) can be slid out of the fork (C).

Now the new wheel can be placed in reverse order.

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3.4.3 Replacing the fork of the swivel castor

The fork of the swivel castor must be replaced as follows:

- Remove the wheel from the fork; see 'replacing the front wheel'.
- Remove the fork from the frame, see 'replacing swivel castor'.

The (new) fork can be placed in reverse order.

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3.5 Gas springs

The Ibis may be equipped with gas springs for:

- Tilt adjustment mechanical
- Backrest adjustment (option)

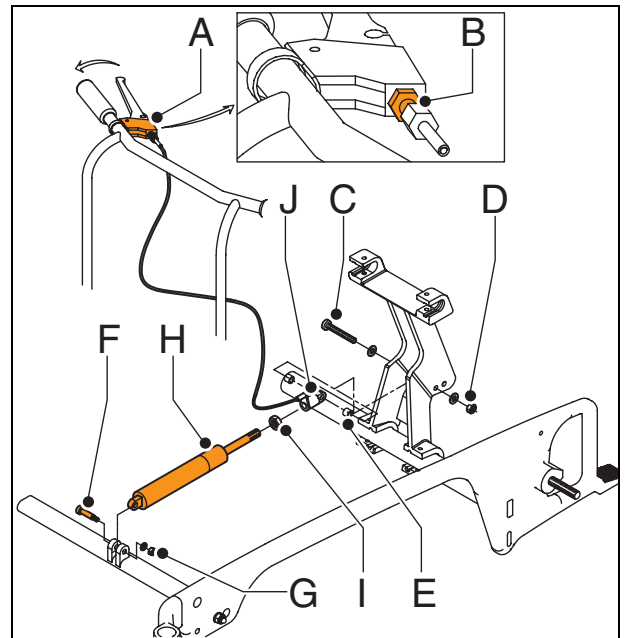
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3.5.1 Replacing the gas spring for mechanical tilt adjustment

- See fig. 020714010.

The gas spring for mechanical tilt adjustment should be replaced as follows:

- Remove the seat.
- Completely depress the handgrip (A) until the seat is in its original position.
Now the gas spring is completely released.
- Turn the adjustment nipple (B) for cable adjustment just so far that the cable is no longer taut.
- Loosen bolt (C) using an Allen key with a key width of 6 mm and hold the locknut (D) using a spanner with a key width of 13 mm. Make sure the washers (E) are not lost.
- Loosen the adjusting bolt (F) using an Allen key with a key width of 4 mm and stop the locknut (G) using a spanner with a key width of 10 mm.
- Remove the gas spring (H).
- Loosen nut (I) with a spanner with a key width of 17 mm and swivel the operating block (J) away from the piston rod.



A new gas spring can be placed in reverse order.

- After mounting the gas spring, adjust the cable in order to make it function properly.



Attention:

The locknuts may not be used again – use new ones when replacing.

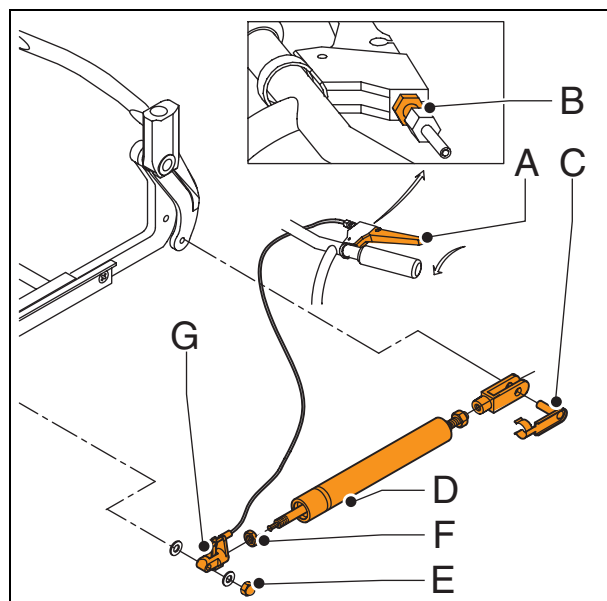
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3.5.2 Replacing the gas spring for backrest adjustment (option)

- See fig. 020714020.

The gas spring for backrest adjustment should be replaced as follows:

- Remove the seat.
- Completely depress the handgrip (A) until the seat is in its original position.
Now the gas spring is completely released.
- Turn the adjustment nipple (B) of the handgrip just so far that the cable is no longer taut.
- Flip the lock clip (C) off the gas spring (D).
- Pull the locking pin, which is attached to the lock clip, from the hinged joint.
- Loosen nut (E) with a spanner with a key width of 10 mm.
- Remove the gas spring (D).
- Loosen nut (F) with a spanner with a key width of 17 mm and swivel the operating block (G) away from the piston rod.



A new gas spring can be placed in reverse order.

- After mounting the gas spring, adjust the cable in order to make it function properly.

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3.6 Cables for gas-spring operation

The Ibis may be equipped with gas springs for:

- Tilt adjustment mechanical
- Backrest adjustment (option)

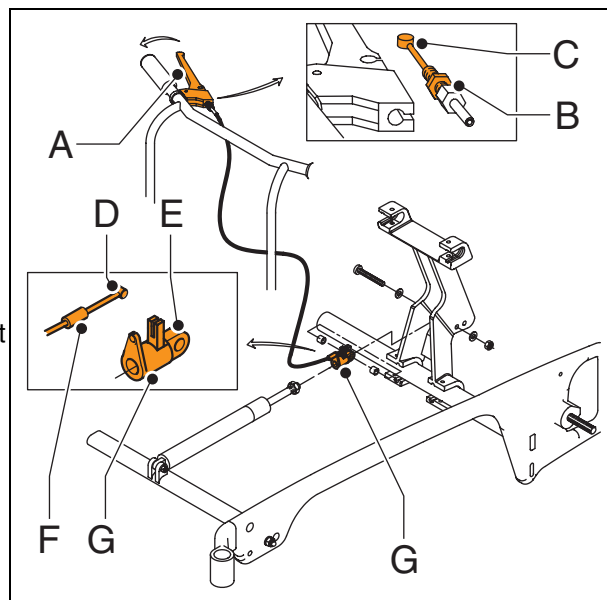
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3.6.1 Replacing the cable of the gas spring for mechanical tilt adjustment

- See fig. 020715010.

The cable of the gas spring for mechanical tilt adjustment should be replaced as follows:

- Remove the seat.
- Completely depress the handgrip (A) until the seat is in its original position.
Now the gas spring is completely released.
- Turn the adjustment nipple (B) of the handgrip just so far that the cable is no longer taut.
- Depress the handgrip somewhat, in order to release the end (C) of the inner cable and push it from the handgrip.
- Remove the adjustment nipple (B) from the handgrip by turning it.
- Take the other end (D) of the inner cable from the lever (E) and also take the nipple (F) of the outer cable from the operating block (G).
- Cut through the cable-wrapping tape and remove the cable.



A new cable can be placed in reverse order.

- Tie the new cable to the frame using a new cable-wrapping tape.

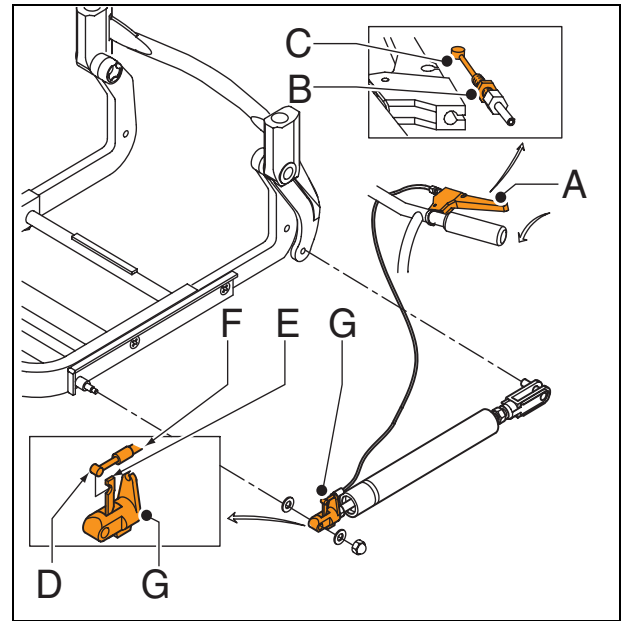
SADKIB-020715010-nl.doc

3.6.2 Replacing the cable of the gas spring for backrest adjustment (option)

- See fig. 020715020.

The cable of the gas spring for mechanical tilt adjustment should be replaced as follows:

- Remove the seat.
- Completely depress the handgrip (A) until the seat is in its original position.
Now the gas spring is completely released.
- Turn the adjustment nipple (B) of the handgrip just so far that the cable is no longer taut.
- Depress the handgrip somewhat, in order to release the end (C) of the inner cable and push it from the handgrip.
- Remove the adjustment nipple (B) from the handgrip by turning it.
- Take the other end (D) of the inner cable from the lever (E) and also take the nipple (F) of the outer cable from the operating block (G).
- Cut through the cable-wrapping tape and remove the cable.



A new cable can be placed in reverse order.

- Tie the new cable to the frame using a new cable-wrapping tape.

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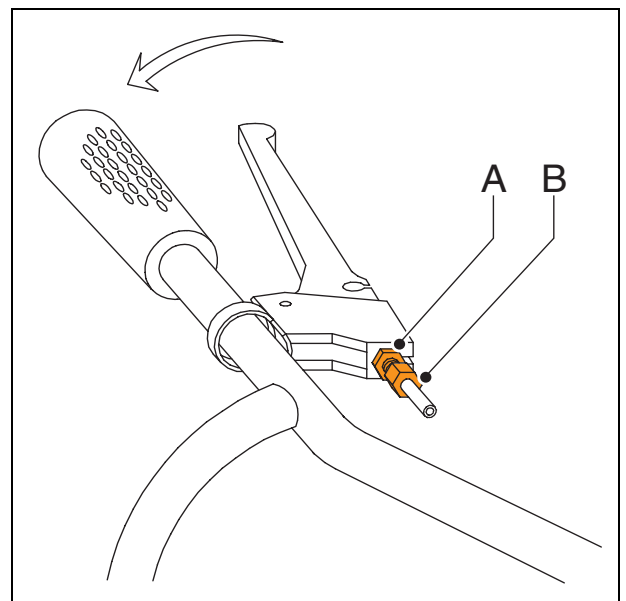
3.6.3 Adjusting the cable for gas-spring adjustment

- See fig. 020715030.

The cable of the gas-spring operation should be replaced as follows:

- Loosen the knurled nut (A) of the adjustment nipple (B).
- Screw the adjustment nipple in or out, depending on the need.
- Tighten the nut (A) again when the setting is correct.

SADKIB-020715030-nl.doc

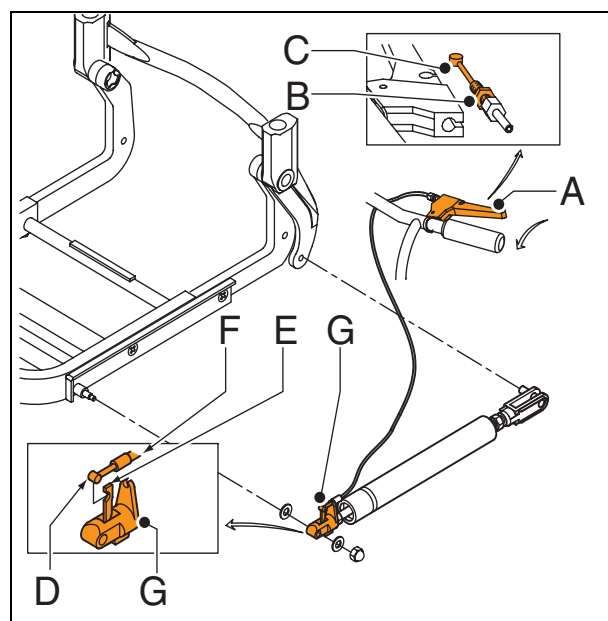


3.6.4 Replacing the handgrip for gas-spring operation

- See fig. 020715040.

The handgrip for backrest adjustment should be replaced as follows:

- Completely depress the handgrip (A) until the seat is in its original position.
Now the gas spring is completely released.
- Turn the adjustment nipple (B) of the handgrip just so far that the cable is no longer taut.
- Depress the handgrip somewhat, in order to release the end (C) of the inner cable and push it from the handgrip.
- Remove the adjustment nipple (B) from the handgrip by turning it.
- Loosen bolt (D) with a box spanner with a key width of 8 mm.
- Slide the handle (E) off the pushbar (F).
- Slide the handgrip (A) off the pushbar (F).



A new handgrip can be placed in reverse order.

- After mounting the handgrip, adjust the cable in order to make the gas spring function properly.

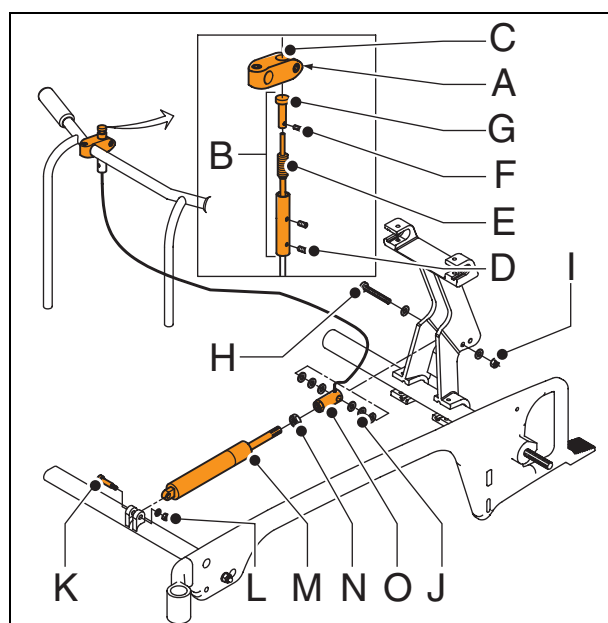
SADKIB-020715040-nl.doc

3.6.5 Replacing the hydraulic operation of the gas spring for mechanical tilt adjustment

- See fig. 020717010.

The hydraulic operation for mechanical tilt adjustment should be replaced as follows:

- Loosen the Allen bolt (A) a few turns with an Allen key with a key width of 6 mm.
- Slide the operating unit (B) down from the holder (C).
Loosen the adjusting screws (D) using an Allen key with a key width of 2 mm and slide the unit (E) up out of the operating-unit housing.
- Loosen adjusting screw (F) using an Allen key with a key width of 1.5 mm and slide the knob (G) from the unit.
- Loosen Allen bolt (H) using an Allen key with a key width of 6 mm and hold the locknut (I) using a spanner with a key width of 13 mm. Make sure the washers (J) are not lost.
- Loosen the adjusting bolt (K) using an Allen key with a key width of 4 mm and stop the locknut (L) using a spanner with a key width of 10 mm.
- Remove the gas spring (M).
- Loosen nut (N) with a spanner with a key width of 17 mm and swivel the operating block (O) away from the piston rod.



Attention:

NEVER disconnect the hose, because this forms a closed system with the operating unit. This closed system cannot be repaired. If it is broken, it should be replaced as one unit.

A new hydraulic unit can be placed in reverse order.

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3.7 Brakes

The Ibis is equipped with drum brakes on the back wheels, which can be either operated by hand by the user, or with the foot by the person pushing the wheelchair.

Proper functioning of the brakes is essential. That's why the brakes have to be:

- properly adjusted
- replaced in time.

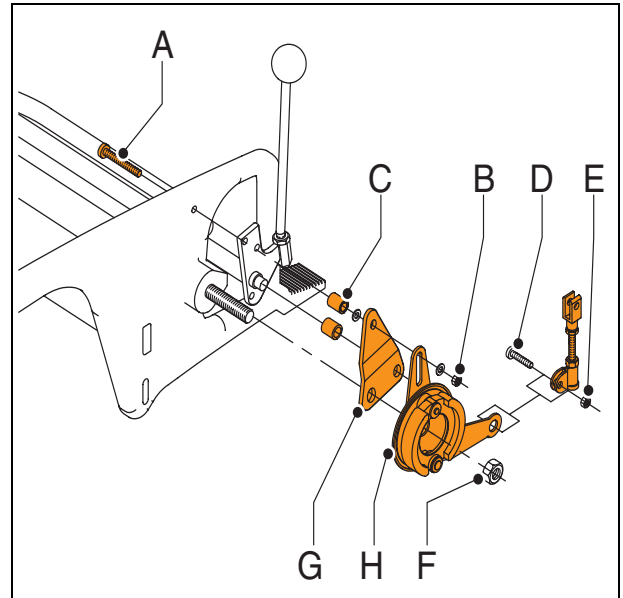
SADKIB-020716000-nl.doc

3.7.1 Replacing the brake 12"

- See fig. 020716030.

The brakes should be replaced as follows:

- Remove the back wheel; see 'replacing the back wheel 12" '.
- Loosen the Allen bolt (A) using an Allen key with a key width of 4 mm and stop the locknut (B) using a spanner with a key width of 10 mm. Make sure that the bush (C) is not lost.
- Loosen the Allen bolt (D) using an Allen key with a key width of 4 mm and stop the locknut (E) using a spanner with a key width of 10 mm.
- Loosen nut (F) with a ring spanner with a key width of 19 mm. This will also release plate (G).
- Remove the brake plate (H).



Attention:



- Make sure that the spacing washers are not lost.
- The locknuts may not be used again – use new ones when replacing.

A new brake plate can be placed in reverse order.

- Readjust the brakes after replacing the wheel. See 'Adjusting the brake 12" '.

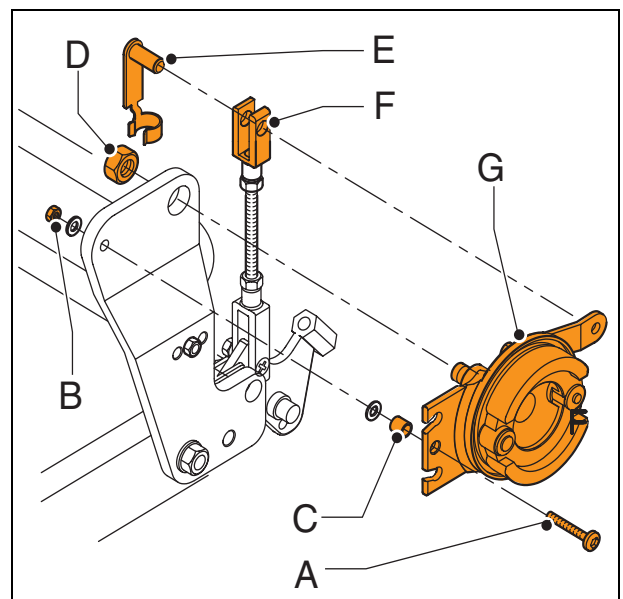
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3.7.2 Replacing the brake 24"

- See fig. 020716040.

The brakes should be replaced as follows:

- Remove the back wheel; see 'replacing the back wheel 24" '.
- Loosen the Allen bolt (A) using an Allen key with a key width of 4 mm and stop the locknut (B) using a spanner with a key width of 10 mm. Make sure that the bush (C) is not lost.
- Loosen nut (D) with a ring spanner with a key width of 24 mm.
- Flip the lock clip (E) off the fork (D).
- Pull the locking pin, which is attached to the lock clip, from the fork.
- Remove the brake plate (G).



Attention:



The locknuts may not be used again – use new ones when replacing.

A new brake plate can be placed in reverse order.

- Readjust the brakes after replacing the wheel. See 'Adjusting brake 24" '.

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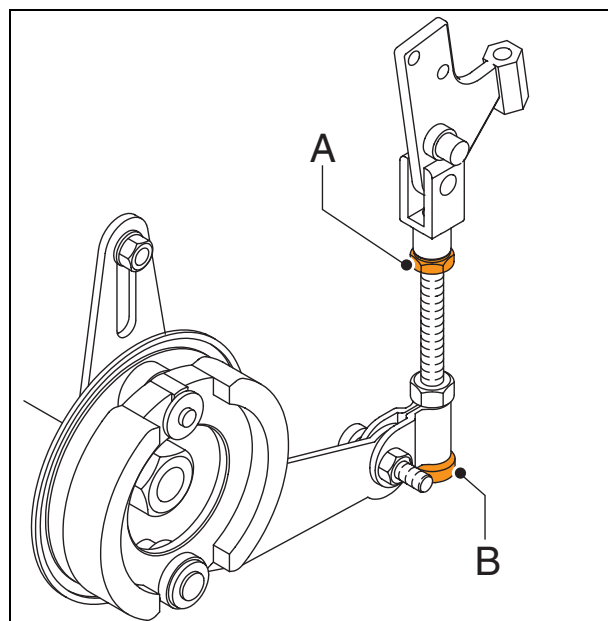
3.7.3 Adjusting the brake 12"

- See fig. 020716010.

The brakes should be adjusted as follows:

- Loosen nut (A) with a spanner with a key width of 10 mm.
- Loosen the Allen bolt (B) using an Allen key with a key width of 5 mm to adjust the brake:
- screwing it upward: brake tighter
- screwing it downward: brake looser.
- Tighten the nut (A) again.

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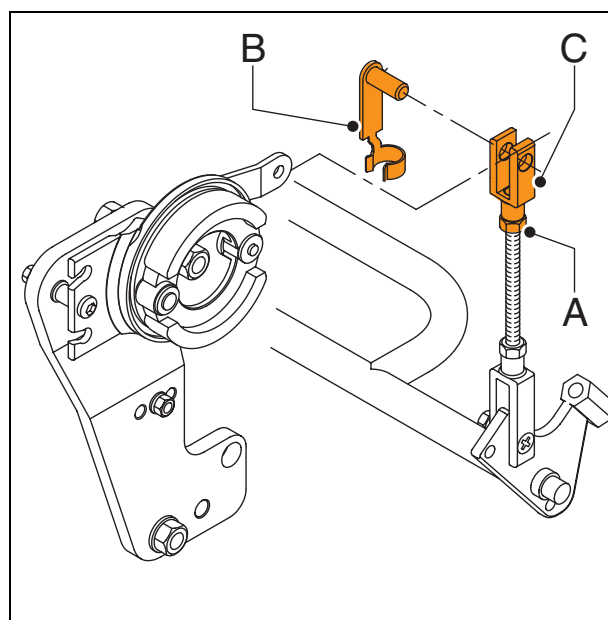
3.7.4 Adjusting the brake 24"

- See fig. 020716020.

The brakes (for hand or foot operation) should be adjusted as follows:

- Loosen nut (A) with a spanner with a key width of 10 mm.
- Flip the lock clip (B) off the fork (C).
- Pull the locking pin, which is attached to the lock clip, from the fork.
- Tighten or loosen the fork a number of turns, as needed.
- Push the lock pin into the fork, so that it connects up to the brake again.
- Tighten the nut (A) again.

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3.8 Adjusting the seat height

On the Ibis, the seat height can be adjusted in 5-cm steps. This is true for both the 12"-wheel version and the 24"-wheel version.

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3.8.1 Adjusting the seat height on the Ibis 12"

- See fig. 020718010.

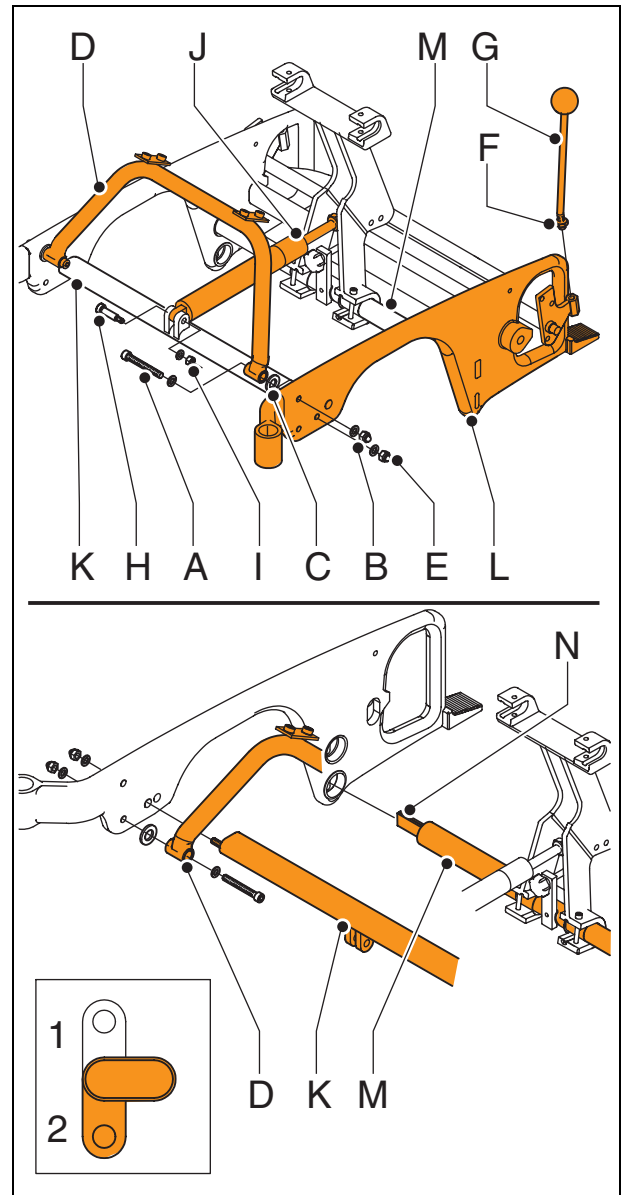
The seat should be lowered as follows:

- Release the gas spring for tilting adjustment completely. See 'replacing the cable of the gas spring for tilting adjustment'.
- Remove the seat.
- Remove the back wheels. See 'replacing the back wheel 12" '.
- Remove the brake. See 'replacing the brake 12" '.
- Loosen the Allen bolts (A) on both sides, using an Allen key with a key width of 6 mm and hold the cap nut (B) using a spanner with a key width of 13 mm. Make sure the spacing washers (C) are not lost. This will also release bridge (D).
- Loosen the cap nuts (E) on both sides, using a ring spanner with a key width of 13 mm and stop the cap nut on the other side using a ring spanner with a key width of 13 mm.
- Loosen the nuts (F) on both sides, using a spanner with a key width of 13 mm and remove the brake handle (G).
- Loosen the adjusting bolt (H) using an Allen key with a key width of 4 mm and stop the nut (I) using a spanner with a key width of 10 mm.
- Take the gas spring (J) away from pipe (K).
- Remove the side frame (L).
- Insert pipe (M) one hole down into the side frame.



Leaf springs (N) should fall into the notches on the side

- Turn pipe (K) in such a way that the mounting point of the gas spring is pointed downward and to the front.
- Mount the side frame that was removed.
- Mount the bridge (D) one hole down.
- Mount the other parts in the reverse order.



If a seat needs to be moved up, the directions above should be followed, with the following differences.

- Bridge (D) will also have to be moved up one hole.
- Pipe (K) will have to be moved up one hole.
- Pipe (M) will have to be moved up one hole.
- High frame
- Low frame

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3.8.2 Adjusting the seat height on the Ibis 24"

- See fig. 020718020.

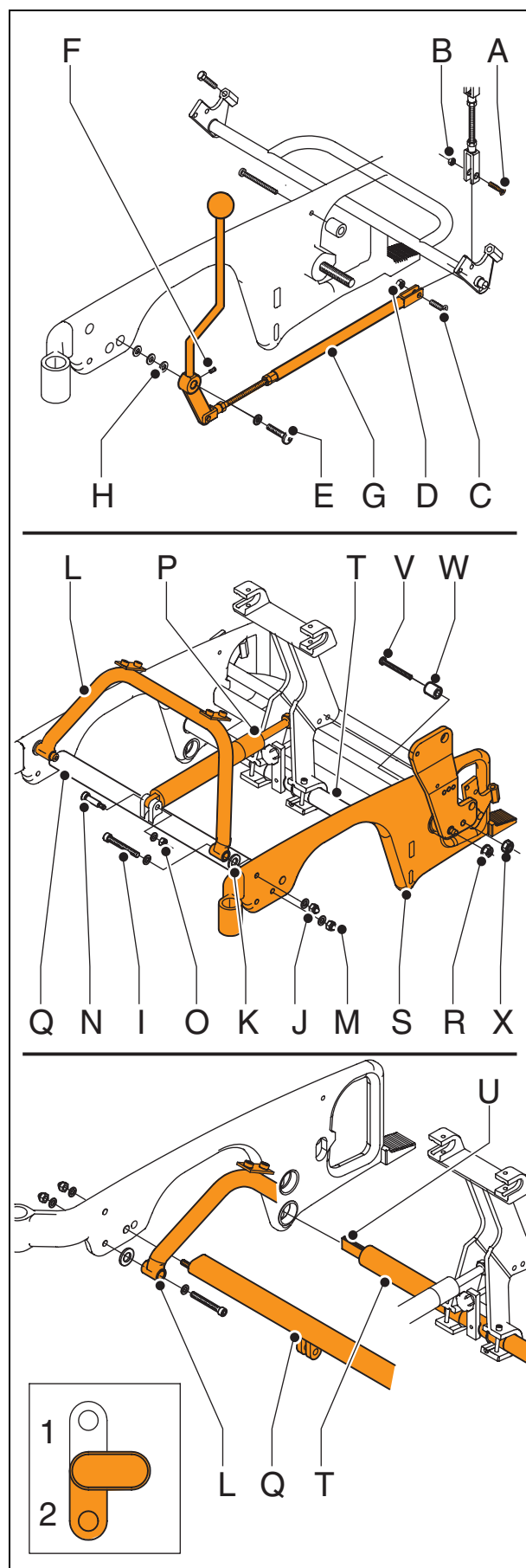
The seat should be lowered as follows:

- Release the gas spring for tilting adjustment completely. See 'replacing the cable of the gas spring for tilting adjustment'.
- Remove the seat.
- Remove the back wheels. See 'replacing the back wheel 24" '.
- Remove the brakes. See 'replacing the brake 24" '.
- Loosen the crosshead screw (A) on one side, using a Phillips screwdriver PH -2. Keep the nut (B) from turning by stopping it using a spanner with a key width of 10 mm.
- Loosen the crosshead screw (A) on the same side, using a Phillips screwdriver PH -2. Keep the nut (D) from turning by stopping it using a spanner with a key width of 10 mm.
- Loosen the Allen bolt (E) on the same side, using an Allen key with a key width of 3 mm.
- Loosen the adjustment screw (F) on the same side, using an Allen key with a key width of 2.5 mm.
- On the same side, remove the brake handle with adjustment rod (G). Make sure the washers (H) are not lost.
- Loosen the Allen bolts (I) on both sides, using an Allen key with a key width of 6 mm and hold the cap nut (J) using a spanner with a key width of 13 mm. Make sure the spacing washers (K) are not lost. This will release bridge (L).
- Loosen the cap nuts (M) on both sides, using a ring spanner with a key width of 13 mm and stop the cap nut on the other side using a ring spanner with a key width of 13 mm.
- Loosen the adjusting bolt (N) using an Allen key with a key width of 4 mm and stop the nut (O) using a spanner with a key width of 10 mm.
- Take the gas spring (P) away from pipe (Q).
- Loosen the Allen bolt (V) using an Allen key with a key width of 4 mm and stop the nut (X) using a spanner with a key width of 10 mm. This will release the spacing bush (W): make sure it is not lost.
- Loosen nut (R) using a spanner with a key width of 19 mm.
- Remove the side frame (S).
- Insert pipe (T) one hole down into the side frame.



Leaf springs (U) should fall into the notches on the side

- Turn pipe (Q) in such a way that the mounting point of the gas spring is pointed downward and to the front.
- Mount the side frame that was removed.
- Mount the bridge (L) one hole down.
- Mount the other parts in the reverse order.



If a seat needs to be moved up, the directions above should be followed, with the following differences.

- Bridge (L) will also have to be moved up one hole.
- Pipe (Q) will have to be moved up one hole.
- Pipe (T) will have to be moved up one hole.

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3.9 Cleaning

Removing dry dirt

Upholstery, metal parts and frame parts can usually be cleaned easily with a dry soft cloth.

Removing mud and/or other wet dirt

Parts that are soiled with wet dirt can best be cleaned by first wiping the dirty parts with a wet sponge and then wiping them dry with a dry soft cloth.

Upholstery

Cleaning with a damp cloth and household soap. After removing the dirt the cleaned parts should be wiped dry with a soft dry cloth.



*Do not use abrasive or aggressive cleansers. They can damage the wheelchair.
Do not use organic solvents such as thinner, washing benzene or turpentine.
Upholstery: do not dry clean, iron or spin dry.*

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4 Technical specifications

XXXXXX-010901000-nl.doc

4.1 Product specifications

Manufacturer:	Handicare
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XXXXXX-010901000-nl.doc

4.1.1 Ibis 12"

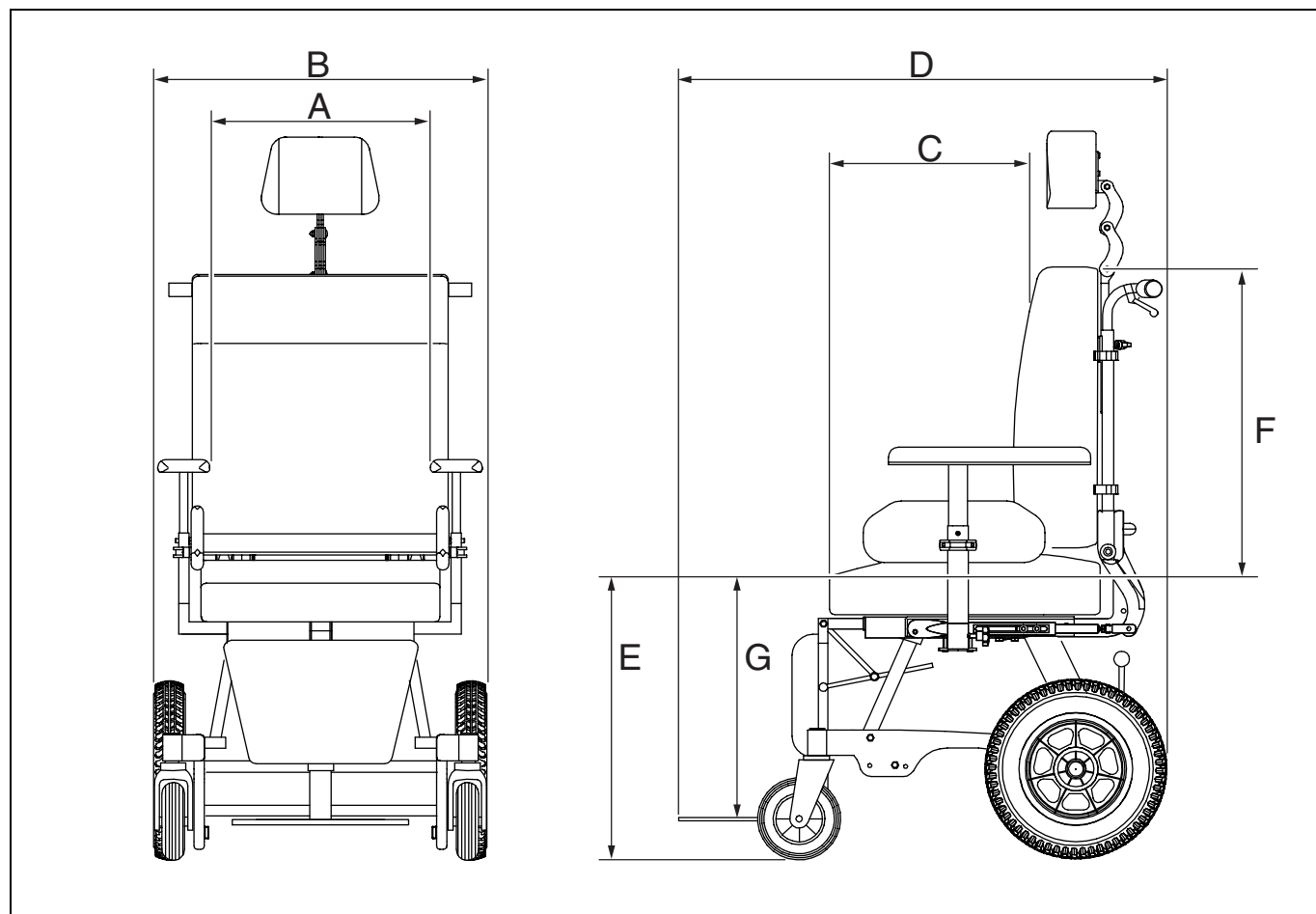
Model	Ibis 12"
Maximum user's weight	125 kg

Description	Min.	Max.
Total length including legrest	920 mm	1200 mm
Total width	630 mm	720 mm
Transport length	750 mm	
Transport width	610 mm	
Transport height	620 mm	
Total weight	35 kg	
Transport weight heaviest part	28 kg	
Static stability downward	10°	
Static stability upward	11°	
Static stability sideways	15°	
Tilt adjustment mechanical	3°	28°
Seat angle	1°	6°
Effective sitting depth (adjustable)	440 mm	520 mm
Effective sitting width (adjustable)	380 mm	525 mm
Sitting height from the front	500 mm	600 mm
Back angle	83°	120°
Back height	520 mm	570 mm
Lower leg length	390 mm	500 mm
Legrest angle	32°	105°
Armrest height	170 mm	240 mm
Front armrest to backrest	370 mm	450 mm
Minimum radius	1540 mm	
Ground clearance	40 mm	
Height of push bracket (adjustable)	980 mm	1200 mm

Test data		
Weight test dummy	125 kg	

Technical data		
Diameter front wheels	177 mm (7" x 1¾")	
Diameter rear wheels	318 mm (12½" x 2¼")	
Tire pressure back wheels	250 kPa (2,5 Bar)	

- See fig. 010901010.



Configuration data		Min.	Max.
A	Effective sitting width (adjustable)	380 mm	525 mm
B	Total width	630 mm	720 mm
C	Effective sitting depth (adjustable)	440 mm	520 mm
D	Total length including legrest	920 mm	1200 mm
E	Sitting height from the front	500 mm	600 mm
F	Back height	520 mm	570 mm
G	Lower leg length	390 mm	500 mm

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4.1.2 Ibis 24"

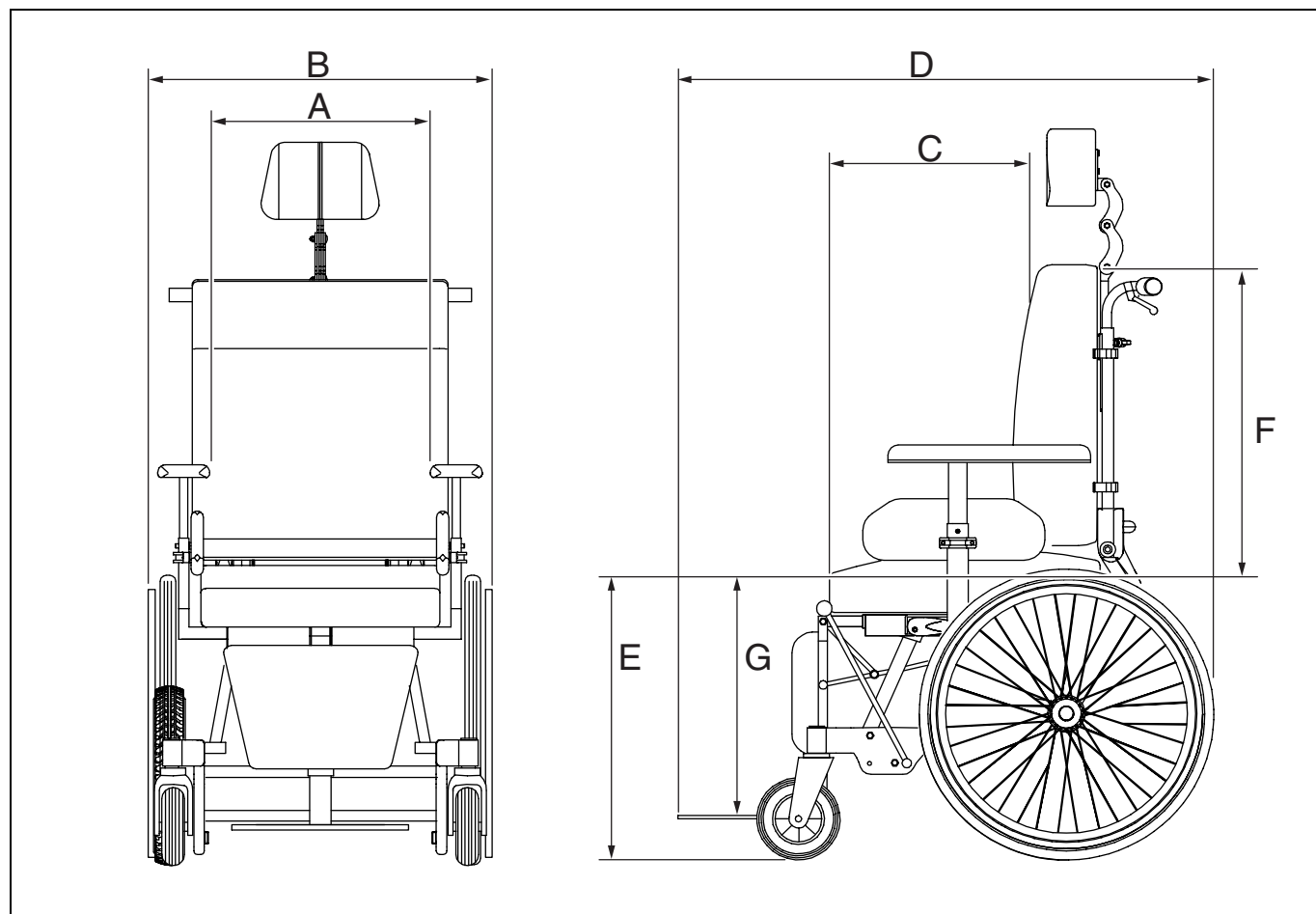
Model	Ibis 24"
Maximum user's weight	125 kg

Description	Min.	Max.
Total length including legrest	1040 mm	1200 mm
Total width	690 mm	790 mm
Transport length	700 mm	
Transport width	610 mm	
Transport length	620 mm	
Total weight	40 kg	
Transport weight heaviest part	28 kg	
Static stability downward	9,5°	
Static stability upward	7,5°	
Static stability sideways	14°	
Tilt adjustment mechanical	3°	28°
Seat angle	1°	6°
Effective sitting depth (adjustable)	440 mm	520 mm
Effective sitting width (adjustable)	380 mm	505 mm
Sitting height from the front	500 mm	600 mm
Back angle	83°	120°
Back height	520 mm	570 mm
Lower leg length	390 mm	500 mm
Legrest angle	32°	105°
Armrest height	170 mm	240 mm
Front armrest to backrest	370 mm	450 mm
Hoop diameter	540 mm	
Minimum radius	1620 mm	
Ground clearance	40 mm	
Height of push bracket (adjustable)	980 mm	1200 mm

Test data	
Weight test dummy	125 kg

Technical data	
Diameter front wheels	177 mm (7" x 1¾")
Diameter rear wheels	610 mm (24" x 1")
Tire pressure back wheels	400 kPa (4 Bar)

- See fig. 010901020.



Configuration data		Min.	Max.
A	Effective sitting width (adjustable)	380 mm	505 mm
B	Total width	690 mm	790 mm
C	Effective sitting depth (adjustable)	440 mm	520 mm
D	Total length including legrest	1040 mm	1200 mm
E	Sitting height from the front	500 mm	600 mm
F	Back height	520 mm	570 mm
G	Lower leg length	390 mm	500 mm

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4.2 Approval

The products meet EN 12183:

1. Requirements and testing methods for static, impact and fatigue strength
2. Climate test according to standard ISO 7176-9

The wheelchair is TNO approved in conformity with the requirements laid down by the KBOH Foundation, admission number R-059511.

Accredited test institutions control the fulfilment of the above mentioned standards.

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4.3 *Authorized service and technical support*

For problems or questions contact your dealer.
Ask us for information on the nearest dealer.

Manufacturer:	Handicare
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Supplier stamp

XXXXXX-011000000-nl.doc

5 Use of the parts lists

This document is meant as a reference book to be able to order parts for the wheelchair as shown on the front.

How to order:

To order parts please specify:

- Serial number (see the identification plate).
- Group (to which the relevant part belongs).
- Article number.
- Number of parts required.
- Description (in the relevant language).
- Dimensions (if applicable).

Remark:

- If a part does not have a position number, it means that the relevant part cannot be bought separately. The relevant part is part of the composition that is shown. Only the composition can be ordered, so it must be replaced in its entirety.
- Boxed position numbers refer to the relevant drawing.

Order address:

Please send orders by post or fax to your supplier.

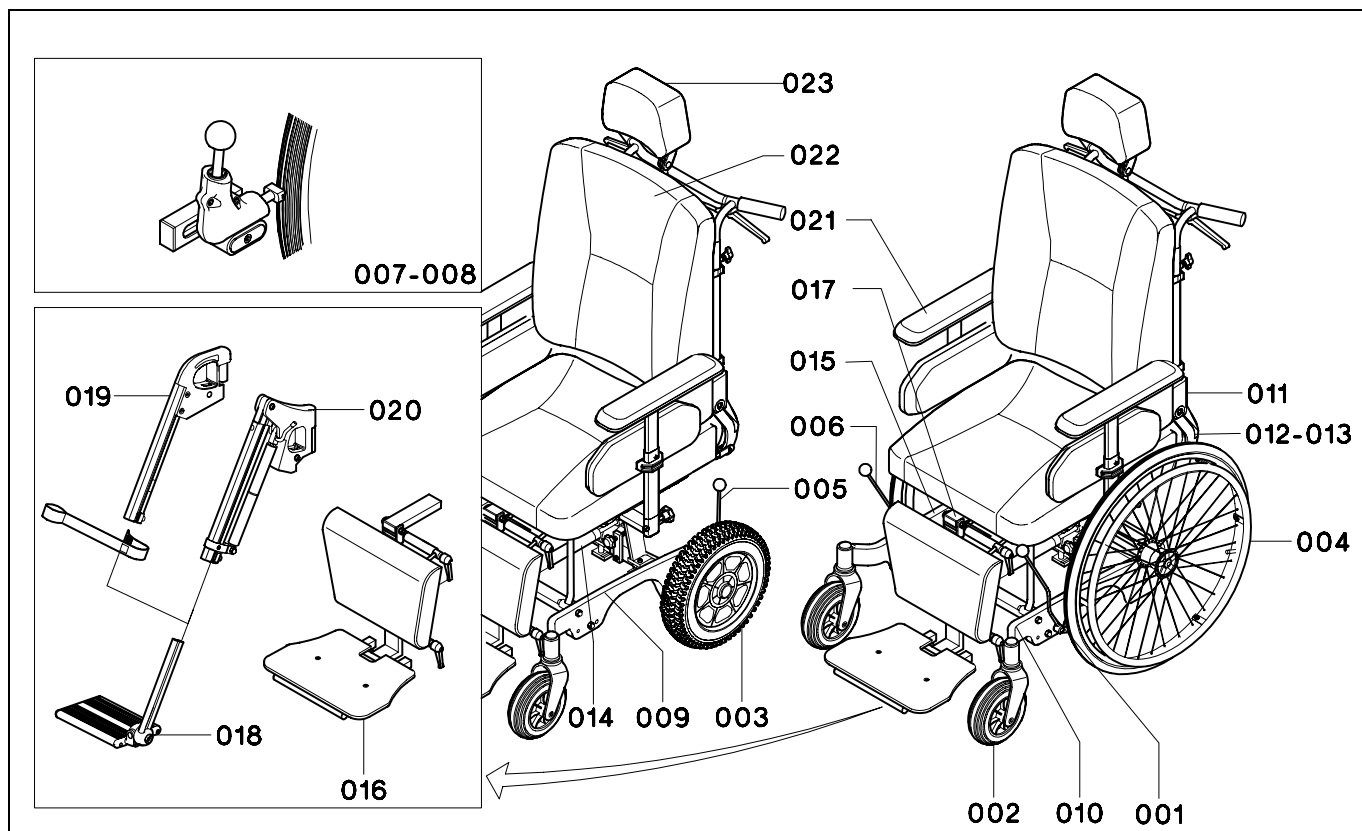
Service technicians:

Repairs may only be done by trained and authorized service technicians.

In the execution of their work they are at all times fully responsible for the fulfilment of locally applicable safety guidelines and standards.

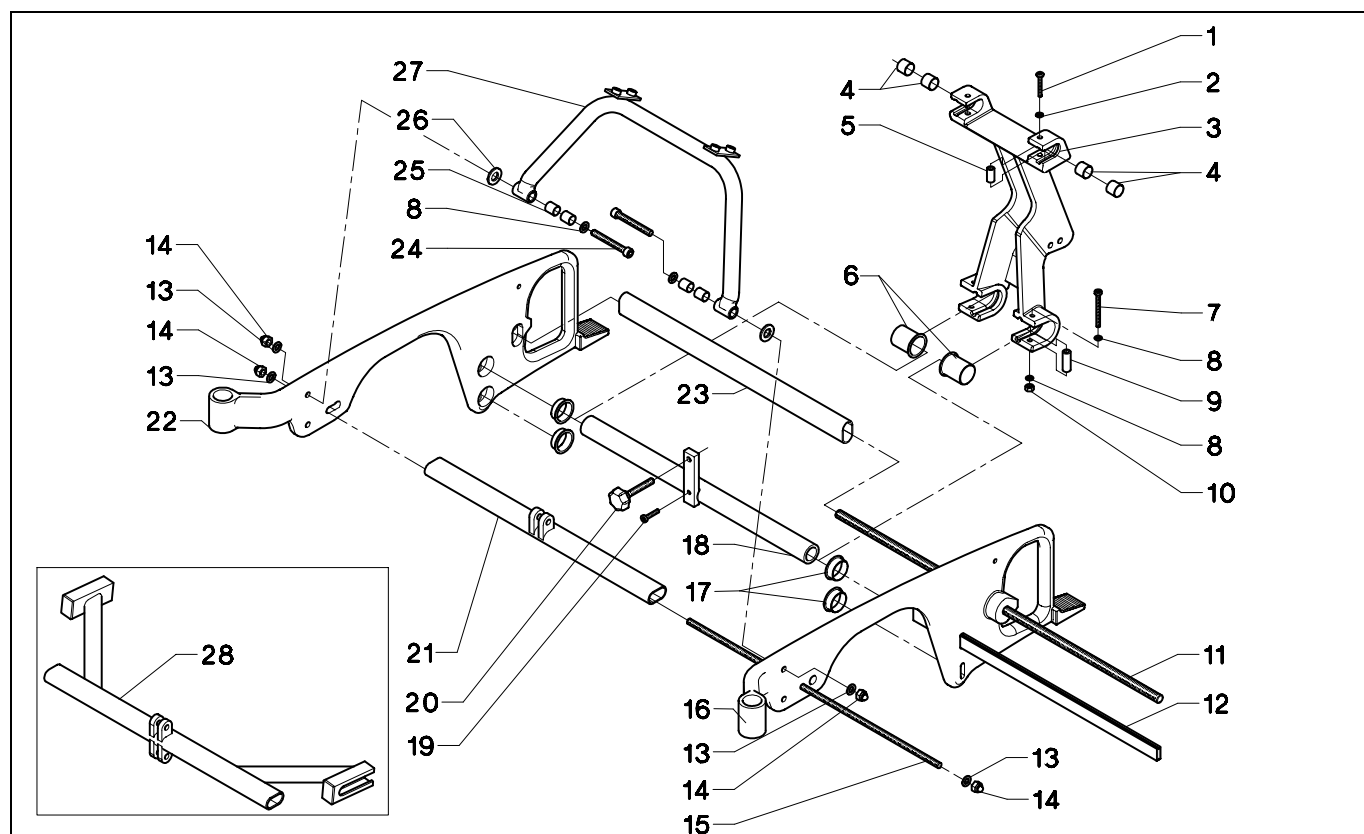
Temporary employees and persons in training may only execute repair and replacement work under the supervision of an authorized service technician.

XXXXXX-020904000-en.doc



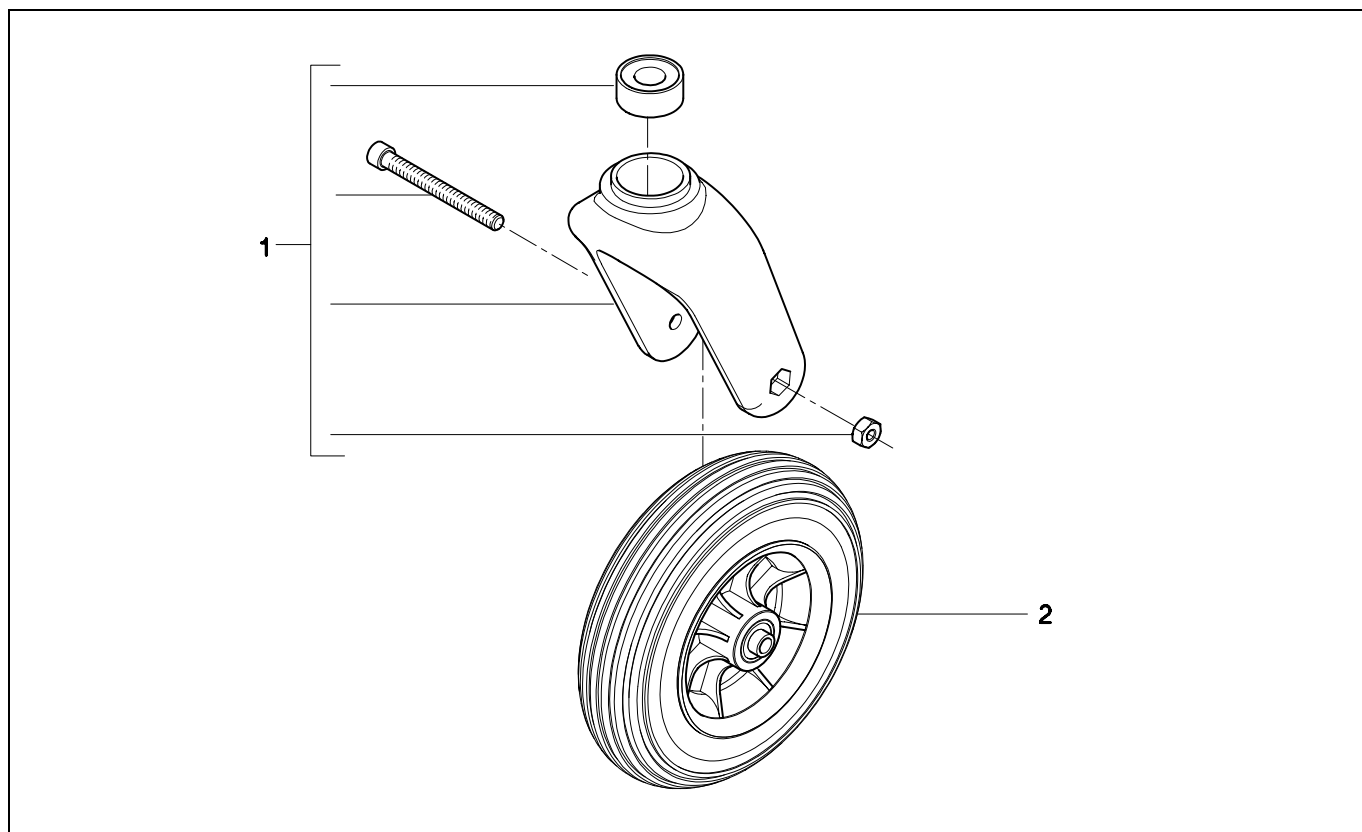
	Description
001	Carrier (without wheels)
002	Swivel castors
003	Back wheel 12"
004	Back wheel 24"
005	Brake system 12"
006	Brake system 24"
007	Pressure brake
008	Carrier (incl. pressure brake)
009	Carrier (incl. wheels 12")
010	Carrier (incl. wheels 24")
011	Sedeo seatframe
012	Spring mechanical backrest adjustment
013	Gas-spring backrest adjustment
014	Hydraulic / mechanical operation tilting adjustment
015	Seat frame mechanical tilting adjustment
016	Single footplate complete
017	Upper carriage
018	Footplate with hinge
019	Standard legrest
020	Comfort mechanical legrest
021	Armrest
022	Seat / backrest / calf pad
023	Headrest

001: Carrier (without wheels)



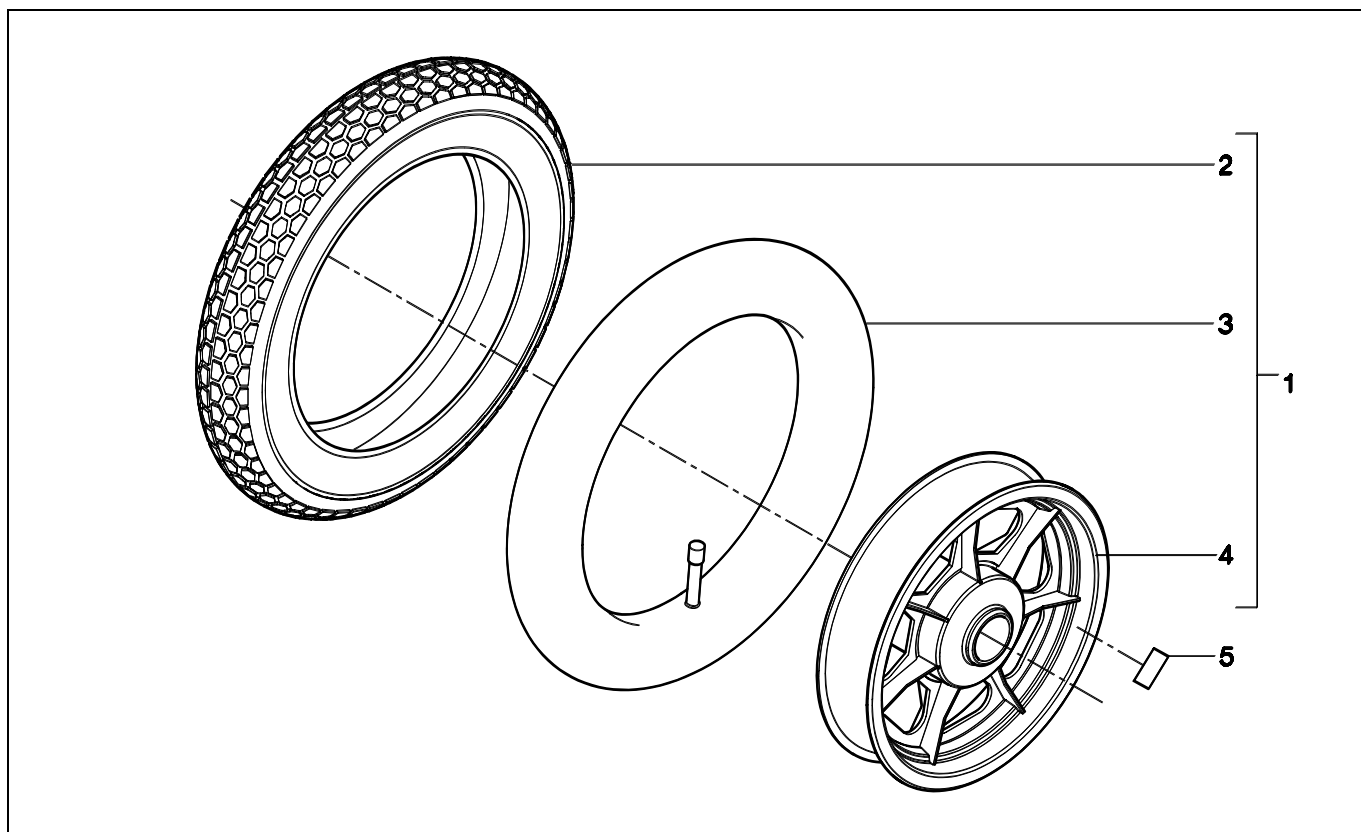
Pos	Article number	Units	Description	
1	00000.3701	2	Buttonhead M6X40 VZ	
2	00000.2202	2	Spring washer M6 D127B/VZ	
3	02010.5220	1	Subframe Ibis-2	
4	00000.5310	4	Bearing bush 18X20X15 IGLIDUR	
5	02010.6312	2	Upper bush	
6	00000.5311	2	Bearing bush 28X30X36 IGLIDUR	
7	00000.4024	2	Cil cap screw inn zk M6X55 VZ	
8	00000.2002	6	Washer flat M6 D125A/VZ	
9	02010.6212	2	Lower bush	
10	00000.1701	2	Locknut M6 D985/8/VZ	
11	00000.5925	1	Threaded end VZ M12 X 622	
12	02010.5610	2	Torsion springs	
13	00000.2003	4	Washer flat M8 D125A/vz	
14	00000.1802	8	Nut M8xP1.25	
15	00000.5924	1	Threaded end VZ M8 X 488	
16	02010.5020	1	Side frame right	
17	00000.5309	4	Bearing bush 28X30X10 IGLIDUR	
18	1001161	1	Back axle	
19	00000.4028	1	Cyl. cap screw inn zk M6X205 VZ	
20	00000.4504	1	Star knob outs M8X50 BLACK MH	
21	02010.5720	1	Connecting sleeve front	
22	02010.5120	1	Side frame left	
23	02010.5820	1	Connecting sleeve back	
24	00000.4010	2	Cil cap screw inn zk M8X65 VZ	
25	00000.5205	4	Bearing bush BRONZE 08X12X16	
26	00000.2003	2	Washer flat M8 D125A/vz	
27	02010.5320	1	Front bridge	
28	02010.4920	1	Connecting sleeve for brake	

002: Swivel castors



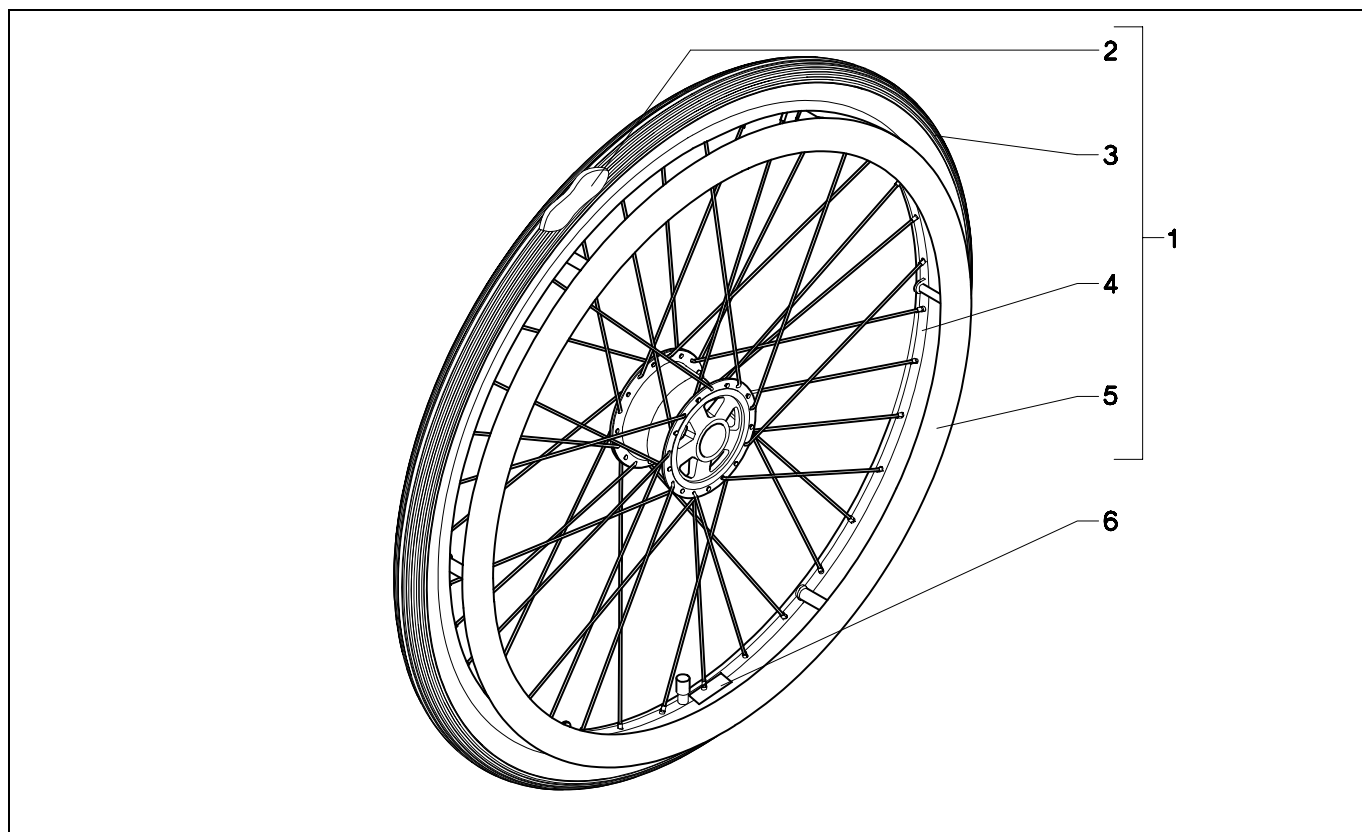
Pos	Article number	Units	Description	
1	9002161	2	Front fork >2004	
	02010.5910	2	Front fork and axle <2004	
2	1001447	2	Wheel PU complete >2004	
	170.00171.000	2	Wheel PU complete <2004	
	02876.0100	2	Wheel air complete	

003: Back wheel 12"



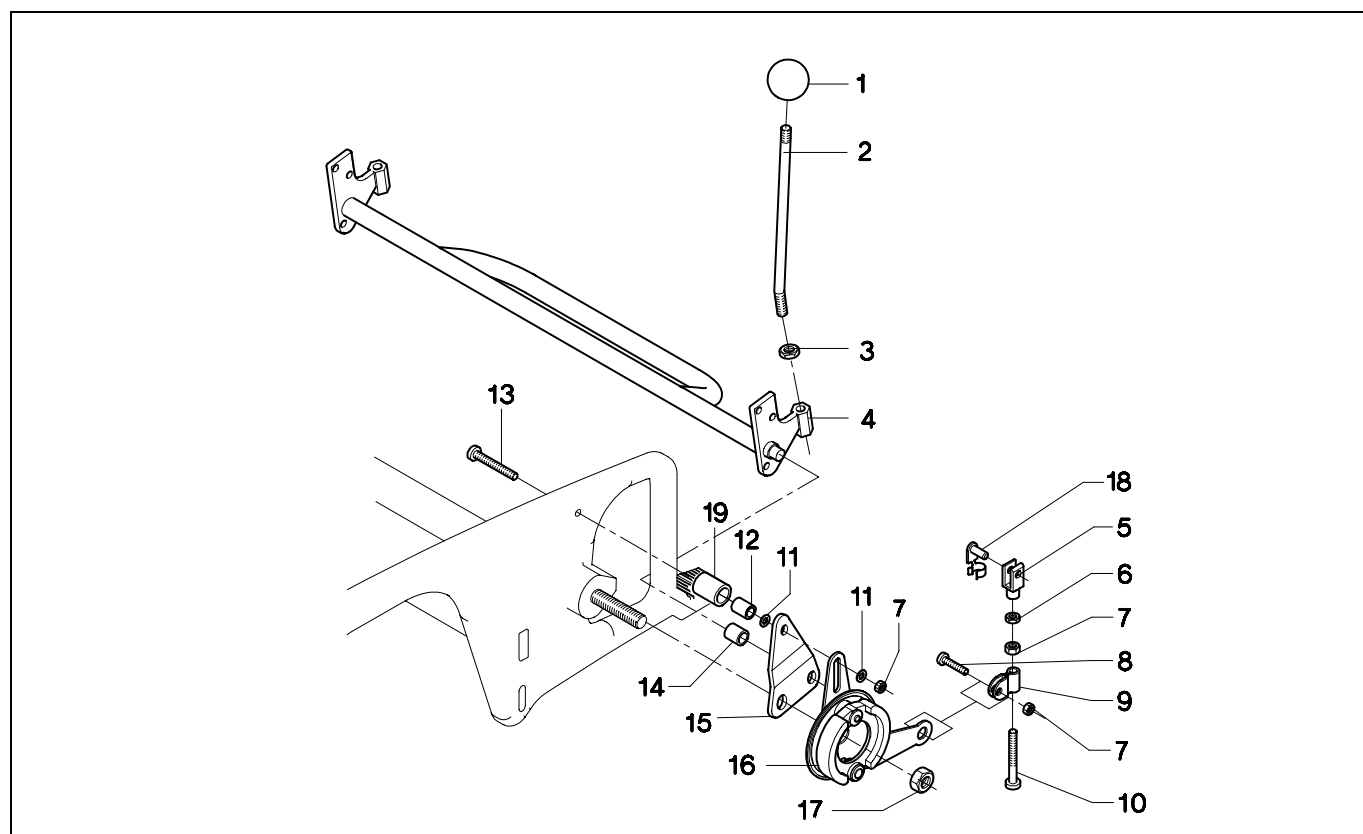
Pos	Article number	Units	Description	
1	1001138	2	Rear wheel air complete >2004	
	01010.3280	2	Rear wheel air complete	
	1001166	2	Rear wheel PU complete	
2	01010.3400	2	Tire 12"	
3	01010.3300	2	Inner tube 12"	
4	01010.3280	2	Rim	
5	00001.1461	2	Sticker tire pressure 2.5 Bar	

004: Back wheel 24"



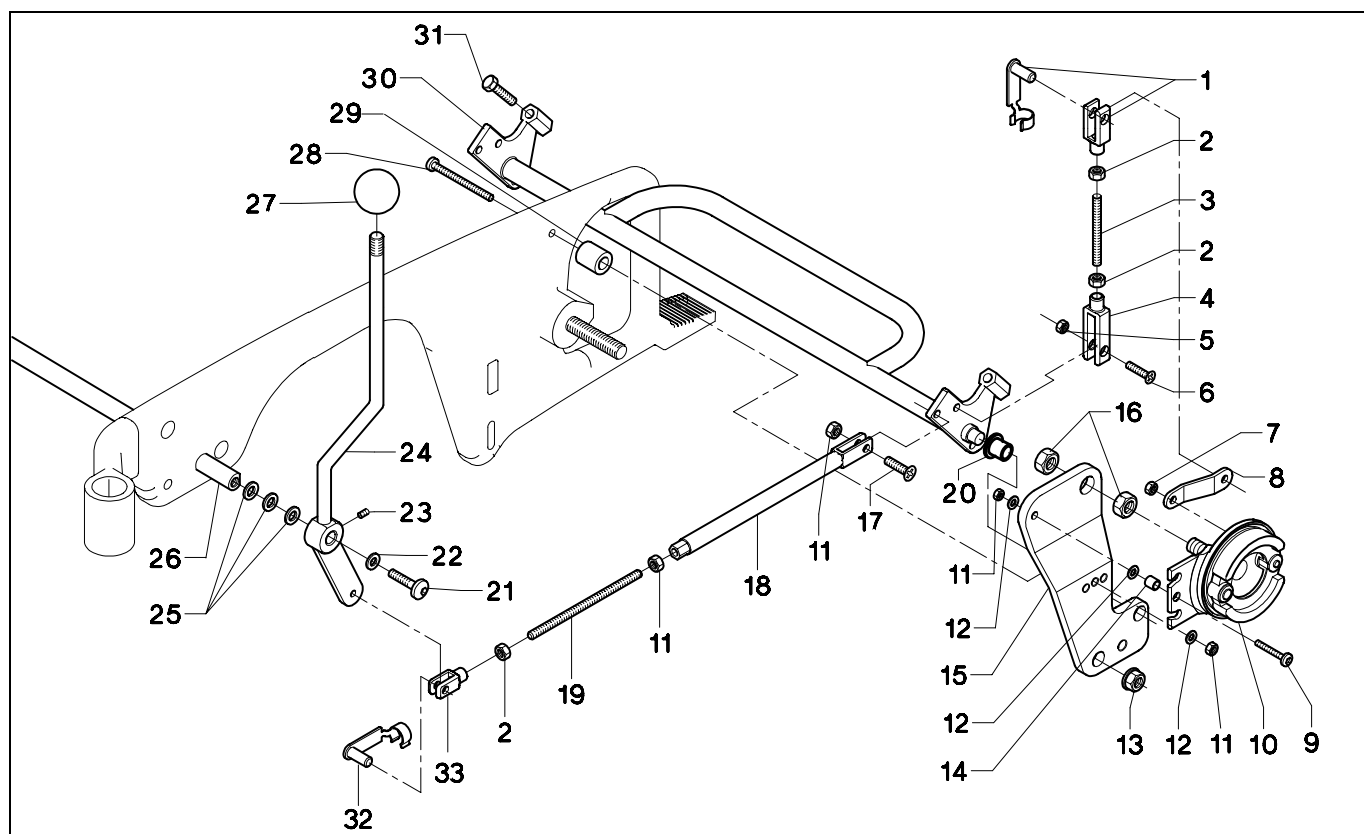
Pos	Article number	Units	Description	
1	170.00031.000	2	Rear wheel 24" air complete	
	170.00361.000	2	Rear wheel 24" PU complete	
2	02450.2100	2	Tire 24"	
3	02450.2000	2	Inner tube 24"	
4	02450.2200	2	Rim	
5	02450.3682	2	Hoop	
6	00001.1465	2	Sticker tire pressure 4.5 Bar	
-	00000.5722	12	Spacer bush 5.2X15X10 PE black	
-	00000.3213	12	Screw M5x35	

005: Brake system 12"



Pos	Article number	Units	Description	
1	00000.4901	2	Ball knob brake handle M8 R.32 ZW	
2	1001135	2	Brake handle	
3	00000.1502	2	Hex. Nut M8 D934/8/VZ	
4	02443.2011	1	Bracket foot brake	
5	001.14080.003	2	Adjustment fork	
6	00000.1601	2	Hex Nut Low M6 D439B/VZ	
7	00000.1701	6	Locknut M6 D985/8/VZ	
8	00000.3703	2	Buttonhead M6X16 vz	
9	02443.0412	2	Adjustment block	
10	00000.4018	2	Cyl cap screw inn zk M6X405 VZ	
11	00000.2002	4	Washer flat M6 D125A/VZ	
12	02010.1312	2	Bush	
13	00000.3722	2	Screw BCK/KR VZ M6X50	
14	00000.5305	2	Bearing bush 10X12X06 IGLIDUR	
15	02443.0312	1	Supporting plat right	
	02443.0212	1	Supporting plate left	
16	1001167	1	Brake hub right >2004	
	1001168	1	Brake hub left >2004	
	01010.4212	1	Brake hub right	
	01010.4112	1	Brake hub left	
17	00000.1604	2	Hex Nut Low M12 D439B/VZ	
18	001.20020.003	2	Clip	
19	02010.3010	2	Brake absorber pvc	

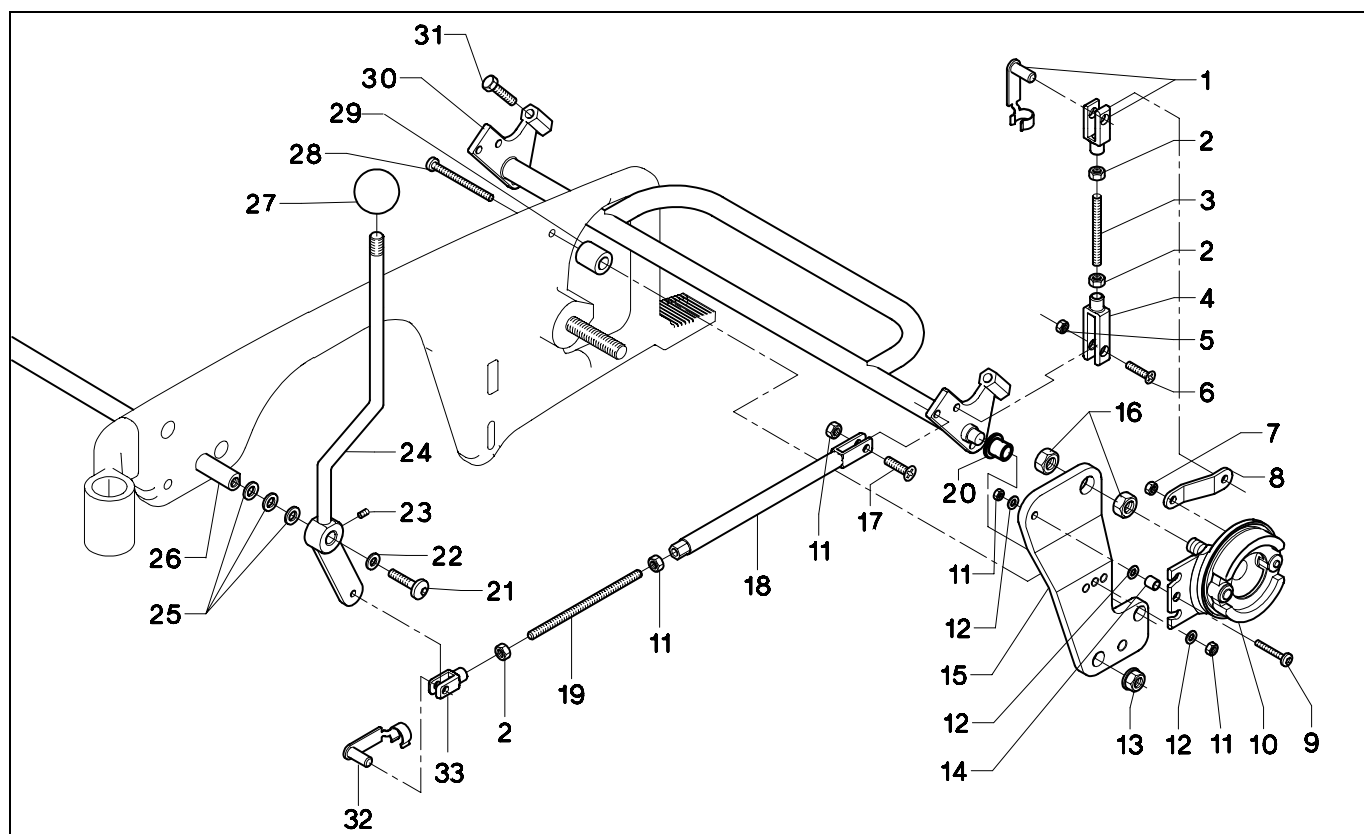
006: Brake system 24"



Pos	Article number	Units	Description	
1	001.14080.003	2	Adjustment fork	
2	00000.1501	4	Hex. Nut M6 D934/8/VZ	
3	00000.5926	2	Threaded end VZ M6 X 60	
4	001.14080.001	2	Adjustment fork	
5	00000.1601	2	Locknut M6 D985/8/VZ	
6	00000.3603	2	Screw pl. verz/kr M6X20 VZ	
7	00000.1701	2	Locknut M6 D985/8/VZ	
8	02443.1512	2	Brake arm	
9	00000.3709	2	Buttonhead M6X30 VZ	
10	108.00011.000	1	Brake hub left	
	108.00001.000	1	Brake hub right	
11	00000.1701	8	Locknut M6 D985/8/VZ	
12	00000.2002	6	Washer flat M6 D125A/VZ	
13	00000.1710	2	Locknut M12 D985/8/VZ	
14	00000.5721	2	Spacer bush 5.2X15X10 PE BLACK	
15	02443.2312	1	Supporting plate left	
	02443.2212	1	Supporting plat right	
16	00000.1608	4	Hex Nut Low M16 D439B/MF	
17	00000.3603	2	Screw pl. verz/kr M6X20 VZ	
18	02443.1323	2	Brake rod arm long	
19	00000.5905	2	Threaded end VZ M6X130	
20	00000.5305	2	Adjustment fork M6X12 VZ+quick lock	

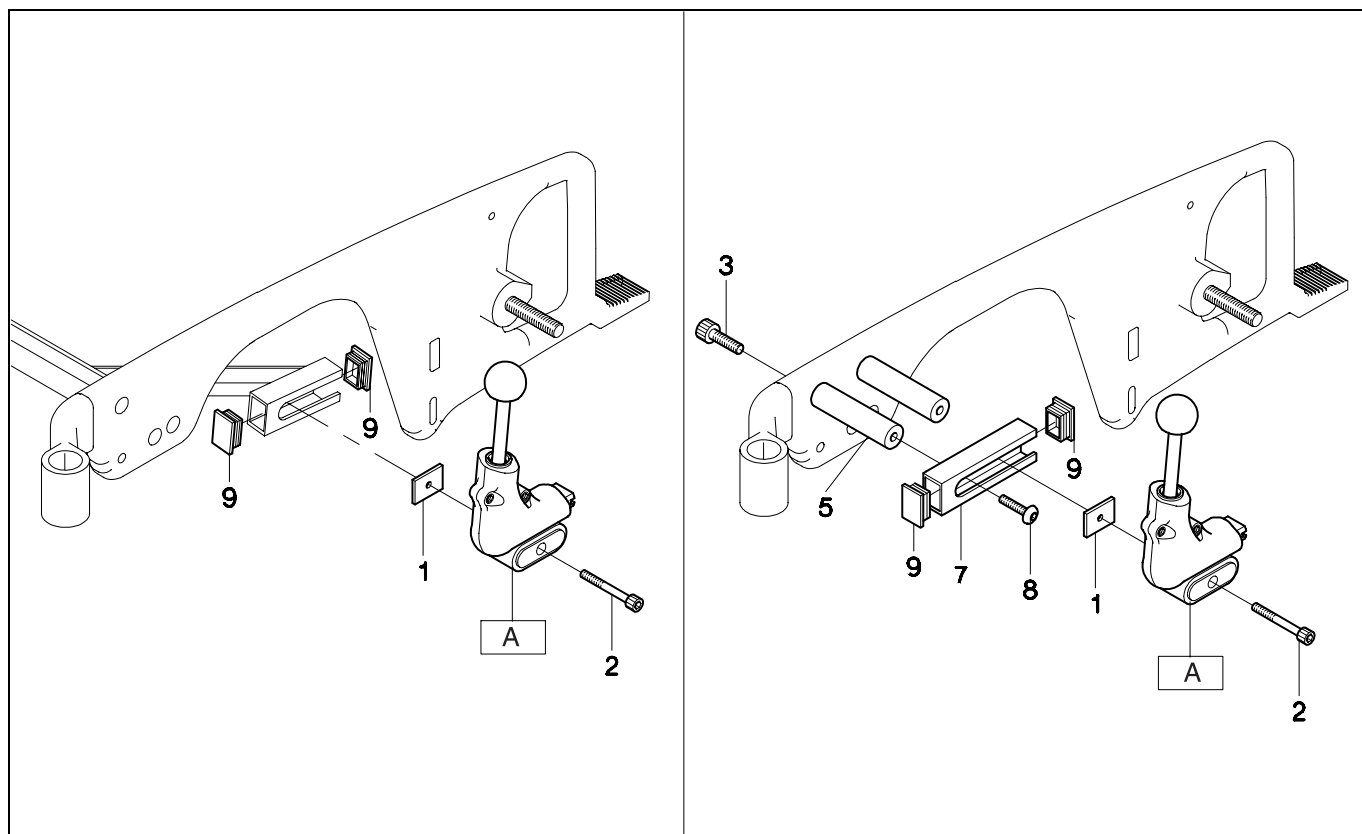
Contd. ☐

006: Brake system 24"



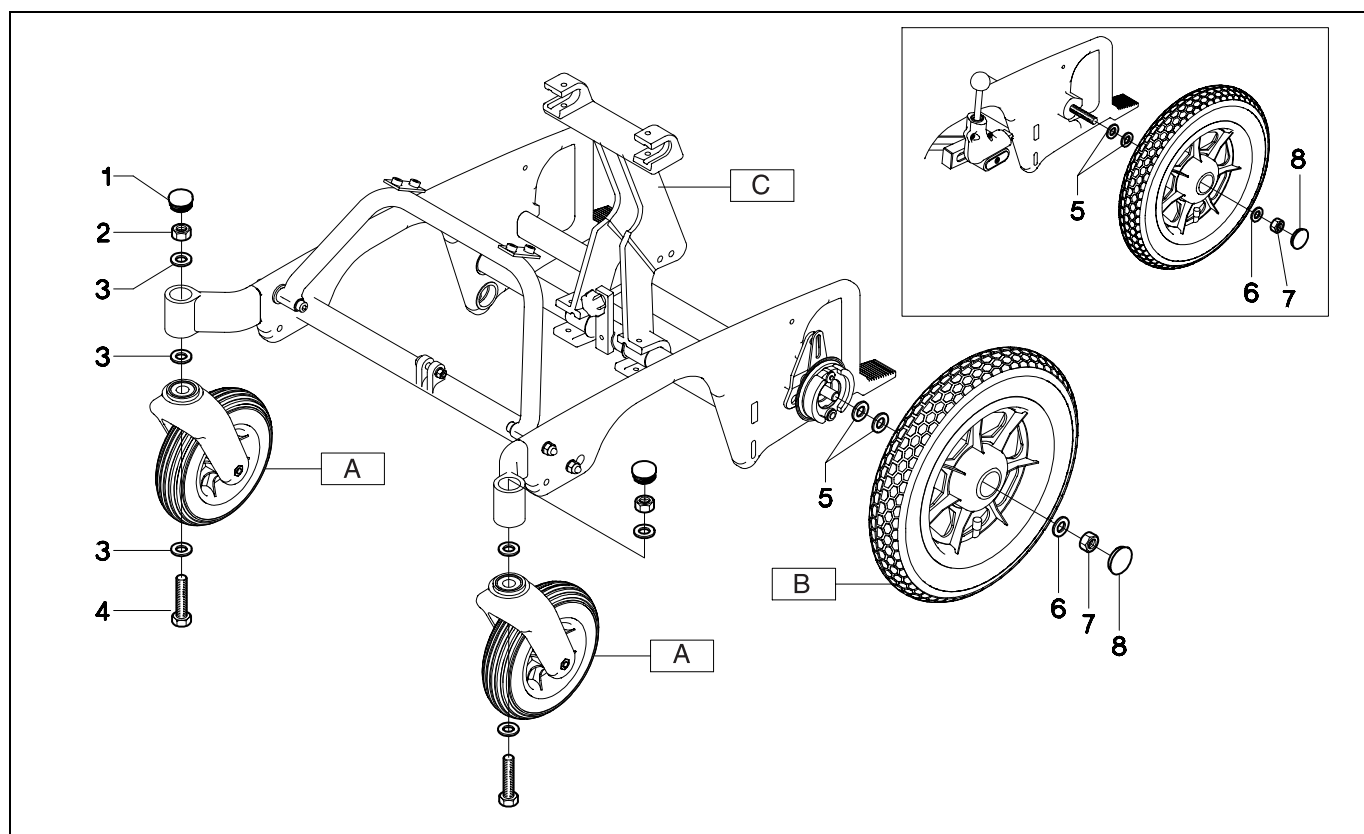
Pos	Article number	Units	Description	
21	00000.3716	2	Buttonhead M5X12 VZ	
22	00000.2101	2	Washer flat 3XD M5 D9021/VZ	
23	00000.3503	2	Adjusting screw BZK M5X6 D913/VZ	
24	02010.3111	1	Brake handle left	
	02010.3211	1	Brake handle right	
25	00000.2310	6	Flat washer M10 PA	
26	02010.3310	1	Connecting shaft	
27	00000.4903	2	Ball knob brake handle M8 R.32 ZW	
28	00000.4024	2	Cil cap screw inn zk M6X55 VZ	
29	02443.1112	2	Spacing block	
30	02443.2011	1	Bracket foot brake	
31	00000.3901	1	Hexagonal tap bolt M8X20 KS	
32	001.20020.003	2	Clip	
33	00000.5803	2	Adjustment fork M6X12 VZ + quick lock	

008: Carrier (incl. pressure brake)



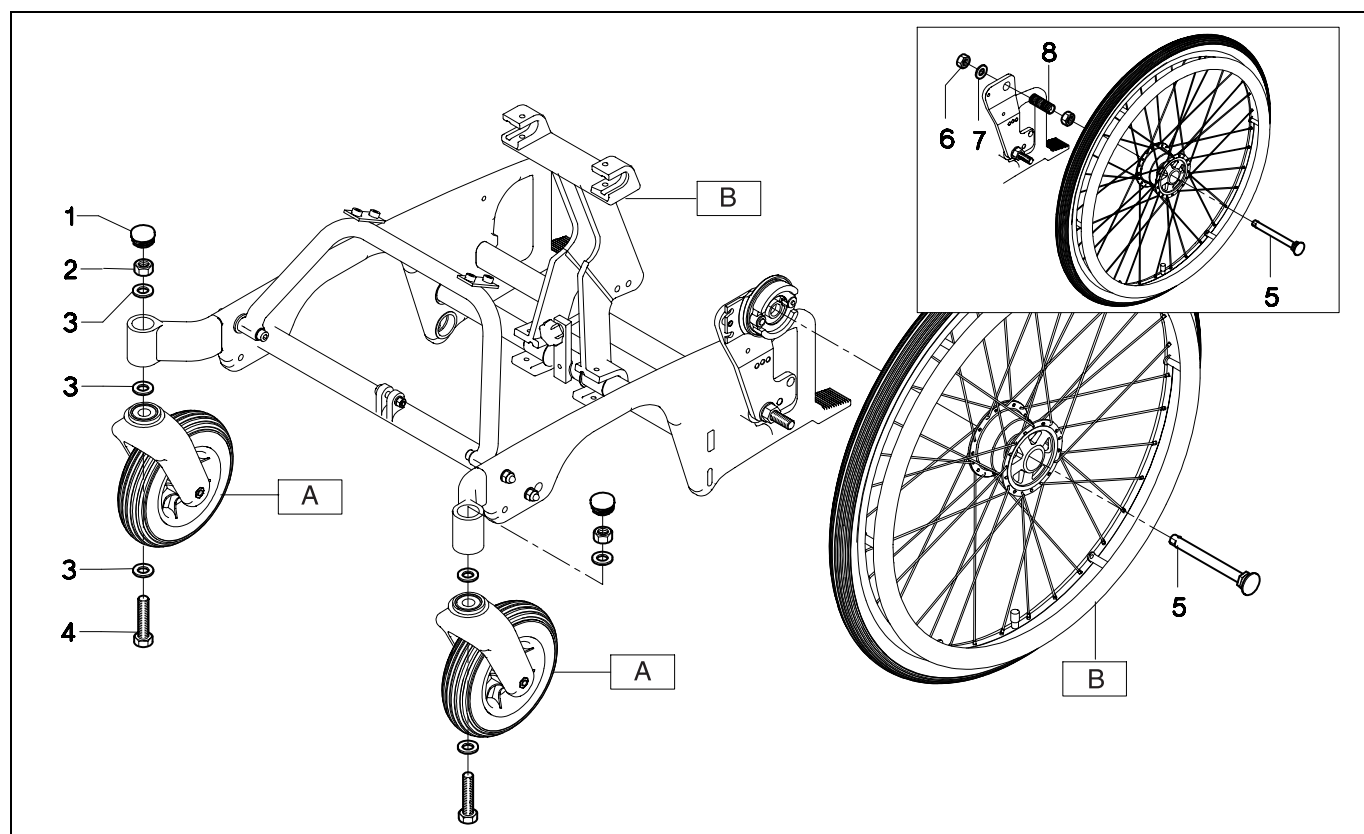
Pos	Article number	Units	Description	
1	03447.3612	1	Plate	
2	00000.4004	1	Cil cap screw inn zk M6X45 VZ	
3	00000.4009	2	Allen bolt M8x35	
4	02447.0223	2	Washer	
5	02447.0123	1	Spacing block	
6	00000.3728	1	Buttonhead M8X12 ISO7380	
7	00000.9206	1	Insert cap 20 X 30 mm	
8	02447.9000	2	Pressure brake 12"	
9	02447.9100	2	Pressure brake 24"	
A			See: 007: Pressure brake	

009: Carrier (incl. wheels 12")



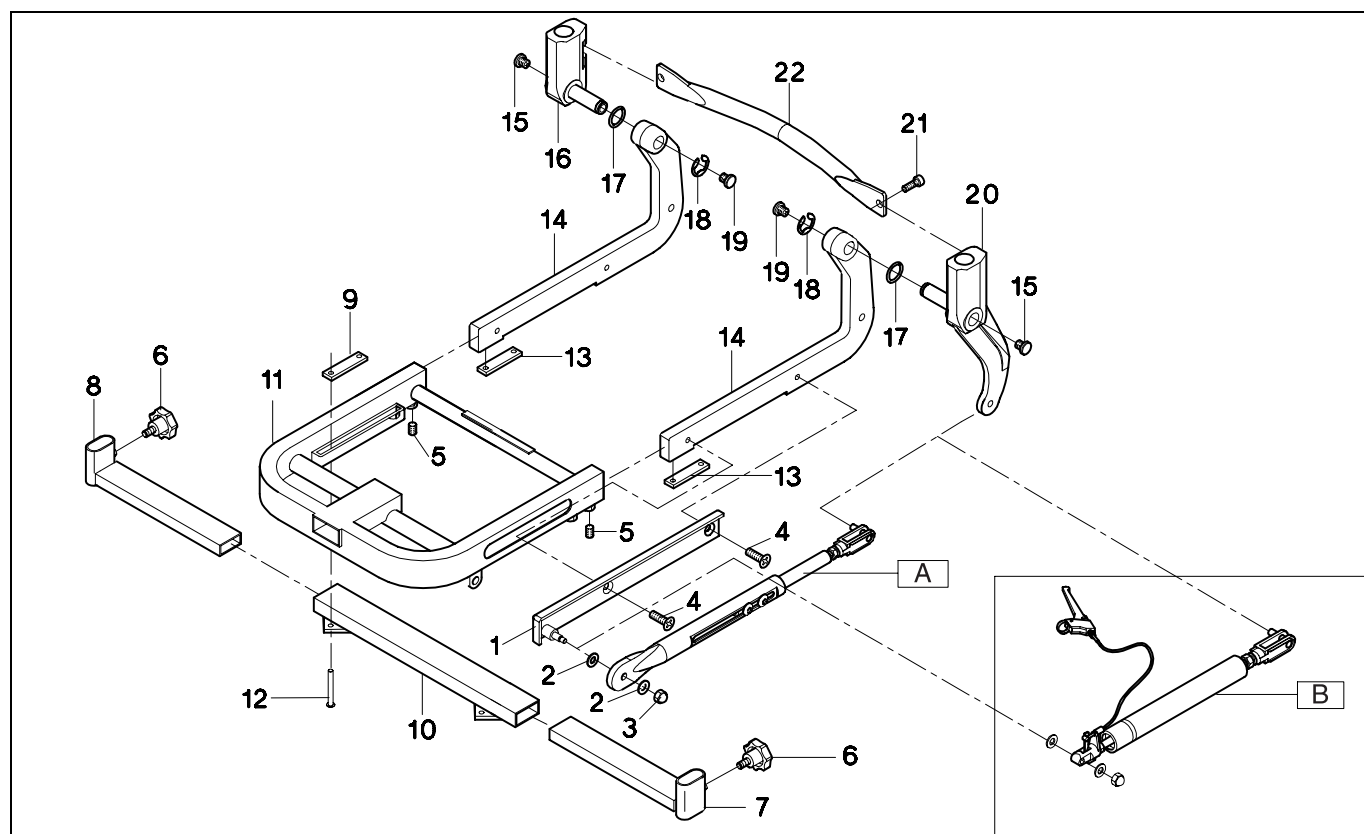
Pos	Article number	Units	Description	
1	00000.9007	2	Insert cap round 28 BLACK	
2	00000.1704	2	Locknut M12 D985/8/vz	
3	00000.2005	6	Washer flat M12 D125A/vz	
4	00000.4121	2	Hex. Bolt M12X70 D931/8.8 VZ	
5	00000.6007	4	Shim 12" WHEEL IBIS 12*18*1 D988	
6	00000.2205	2	Spring washer M12 D127B/VZ	
7	00000.1604	2	Hex Nut Low M12 D439B/VZ	
8	00000.6301	2	Guard KS ZW M12 (for wheel)	
A			See: 002: Swivel castors	
B			See: 003: Back wheel 12"	
C			See: 001: Carrier (without wheels)	

010: Carrier (incl. wheels 24")



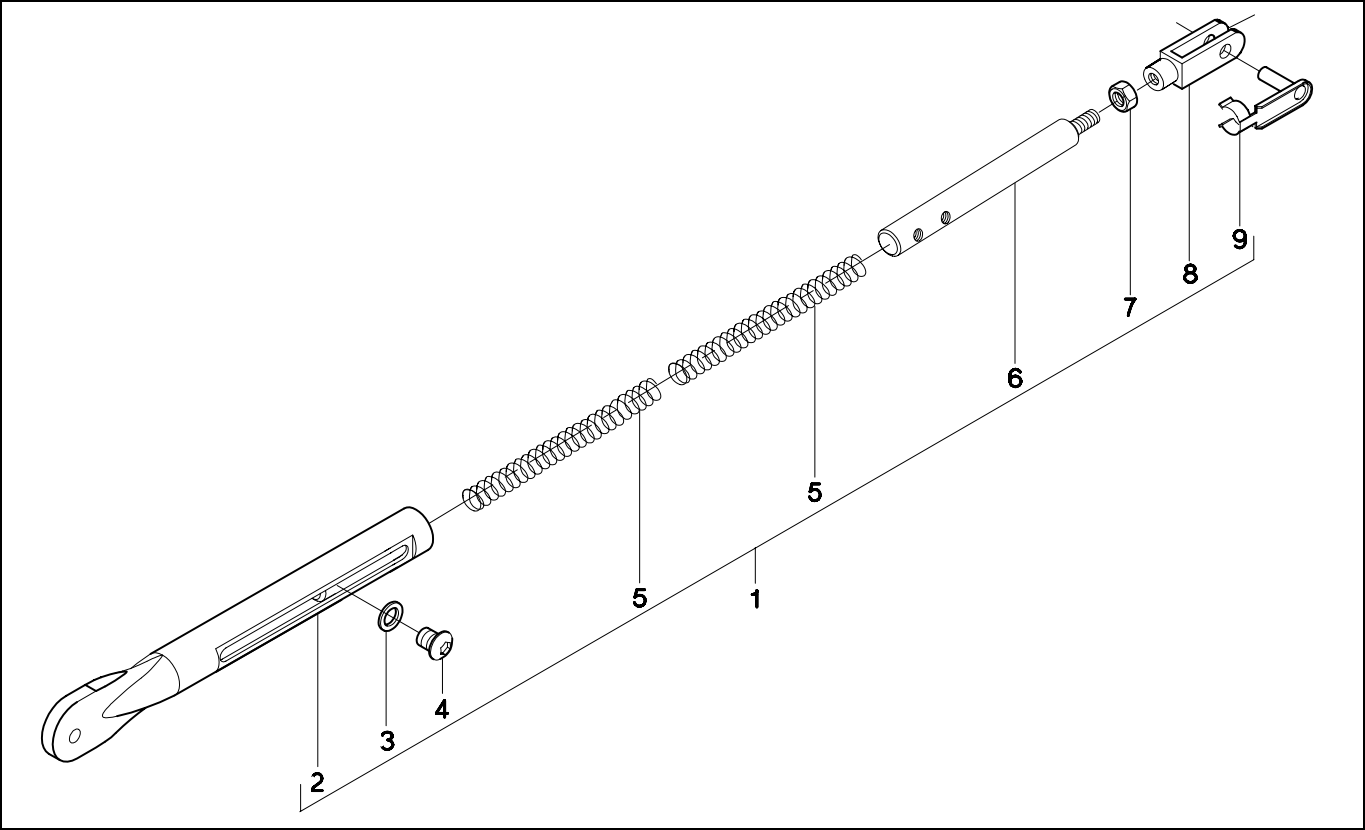
Pos	Article number	Units	Description	
1	00000.9007	2	Insert cap round 28 BLACK	
2	00000.1704	2	Locknut M12 D985/8/vz	
3	00000.2005	6	Washer flat M12 D125A/vz	
4	00000.4121	2	Hex. Bolt M12X70 D931/8.8 VZ	
5	175.00011.000	2	Quick-release axle	
6	00000.1608	4	Hex Nut Low M16 D439B/MF	
A			See: 002: Swivel castors	
B			See: 004: Back wheel 24"	
C			See: 001: Carrier (without wheels)	

011: Sedeo seatframe



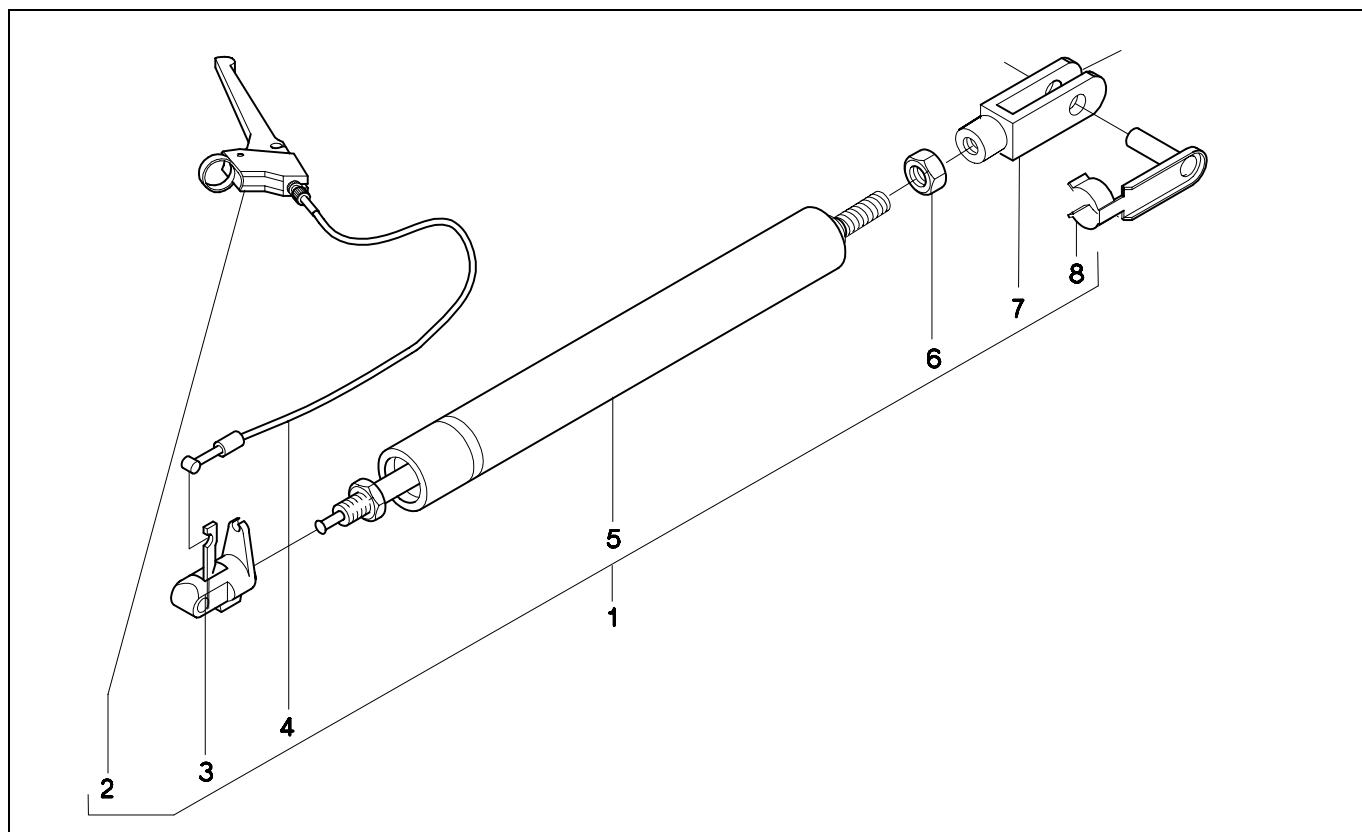
Pos	Article number	Units	Description	
1	02030.3523	1	Bracket backrest adjustment	
2	00000.2250	2	Spring washer fluted M8 D137B VZ	
3	00000.1801	1	Cap locknut M6 D986/VZ	
4	00001.0914	2	Screw	
5	00000.3519	4	Adjusting screw cone M8X10 D914	
6	00000.4502	1	Star knob outs M8X15 BLACK MH	
7	9000156	1	Insert tube left	
	1001643	1	Insert tube 10cm extended left	
8	9000157	1	Insert tube right	
	1001644	1	Insert tube 10cmextended right	
9	02040.0623	1	Strip	
10	02040.0523	1	Receiving frame	
11	05020.0423	1	Sedeo seating frame	
12	00000.3722	4	Screw BCK/KR VZ M6X50	
13	9000673	2	Pressure plate Sedeo	
14	02030.4023	2	Back part 1 Sedeo	
15	00000.9009	2	Insert cap round 15 black	
16	02030.4123	1	Back part 2 Sedeo short back arm	
17	00001.0204	2	Washer	
18	00000.1401	2	Shaft lock washer 15MM D6799 RVS	
19	00000.9009	2	Insert cap round 15 black	
20	02030.4223	1	Back part 2 Sedeo long back arm	
21	00000.3728	1	Buttonhead M8X12 ISO7380	
22	02030.3423	2	Back frame	
-	02030.9223	1	Mecanical backrest adjustement	
A			See: 012: Spring mechanical backrest adjustment	
B			See: 013: Gas-spring backrest adjustment	

012: Spring mechanical backrest adjustment



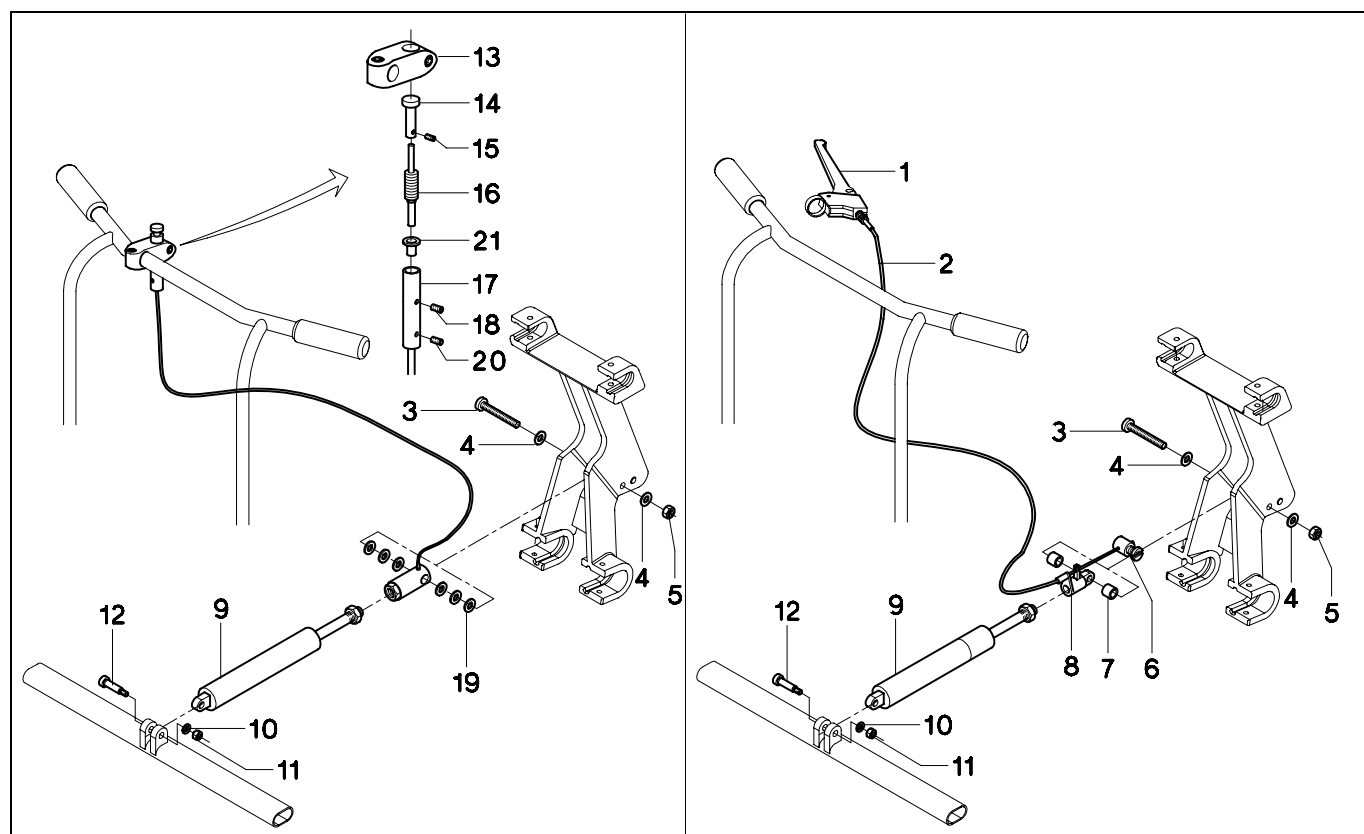
Pos	Article number	Units	Description	
			No longer available as on drawing. Has been replaced for new type as on Ibis X-Series and Yes-Series. See pos 1 for article number.	
1	1008035	1	Mechanical backrest adjustment	

013: Gas-spring backrest adjustment



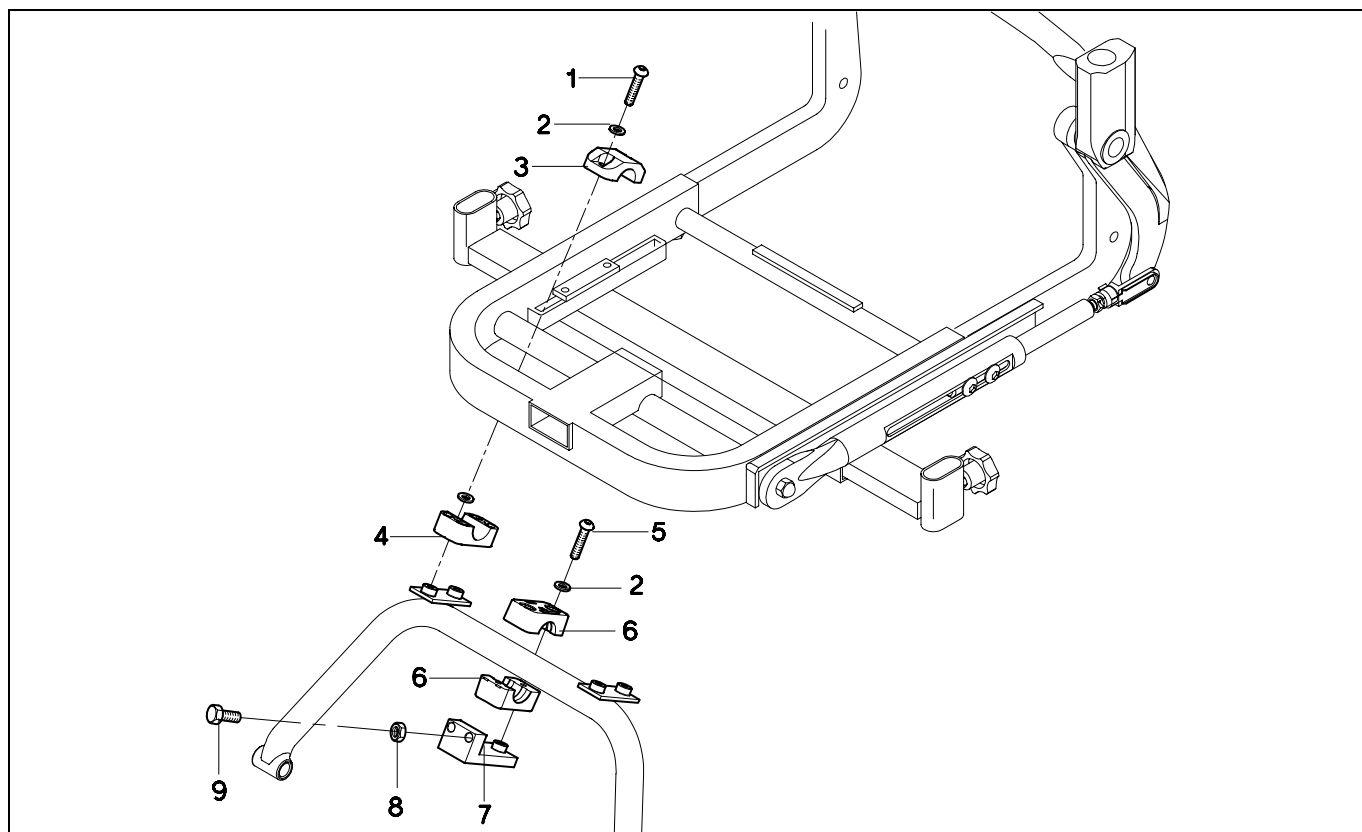
Pos	Article number	Units	Description	
1	02152.9200	1	Gas-spring adjustment	
2	1007008	1	Handle	
3	02010.6910	1	Gas spring operating mechanism	
4	181.00011.010	1	Cable	
5	1002813	1	Gas spring	
6	00000.1602	1	Hex Nut Low M8 D439B/VZ	
7	00000.5850	1	Forked shaft + clip	
8	See pos 7	1	Clip	

014: Hydraulic / mechanical operation tilting adjustment



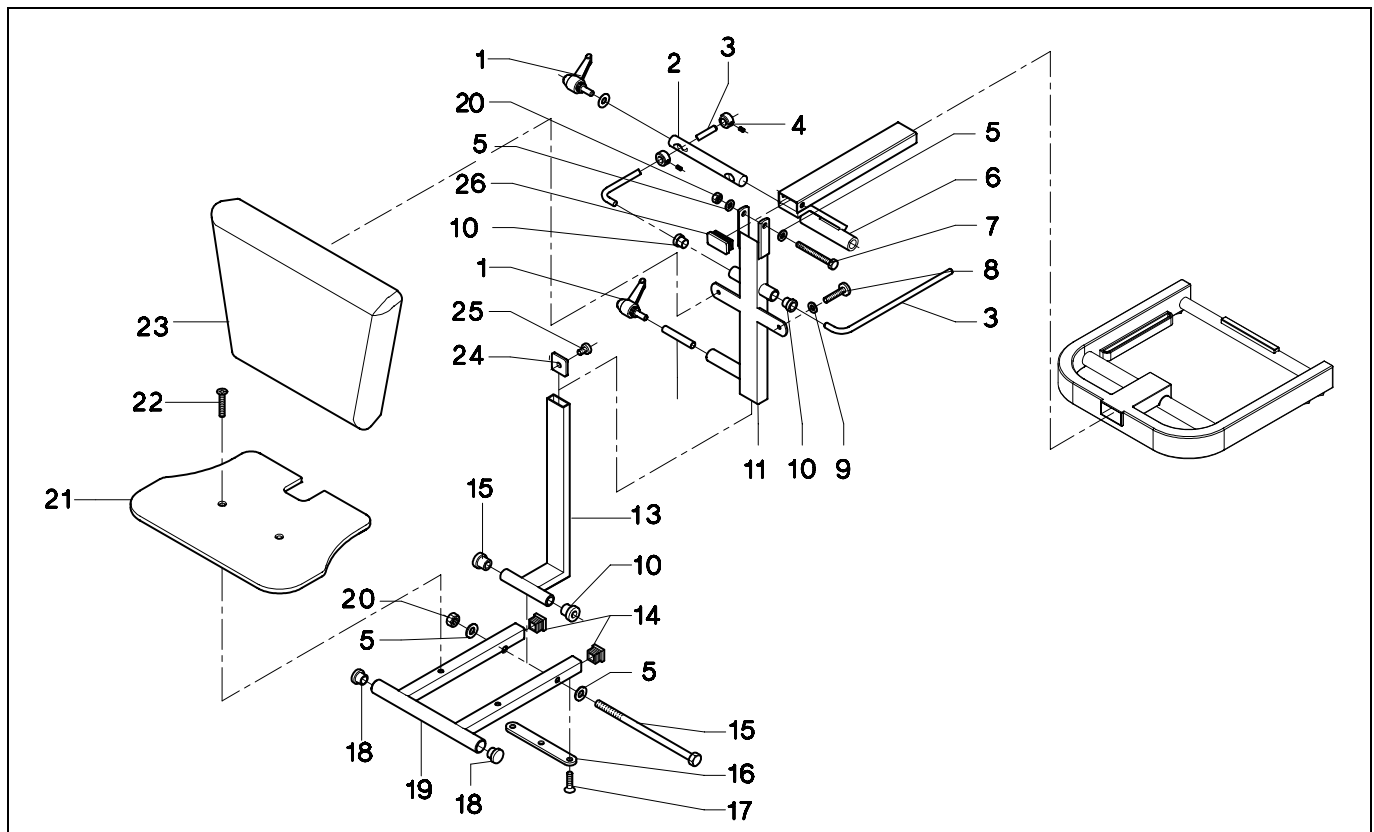
Pos	Article number	Units	Description	
1	1007008	1	Handle	
2	181.00011.010	1	Cable	
3	00000.4032	1	Cil cap screw inn zk M8X65 VZ	
4	00000.2003	2	Washer flat M8 D125A/vz	
5	00000.1702	1	Locknut M8 D985/8/vz	
6	00000.6439	1	Adjusting nipple (IBIS-2)	
7	00000.5706	2	Spacing bush nylon 10.5X22X10	
8	02010.6910	1	Gas spring operating mechanism	
9	1002809	1	Gas spring 400N	
	1002810	1	Gas spring 600N	
10	00000.1701	1	Locknut M6 D985/8/VZ	
11	00000.2002	1	Washer flat M6 D125A/VZ	
12	00001.0106	1	Screw	
13	02010.7810	1	Clamping block	
14	02010.6712	1	Knob	
15	00000.3523	1	Adjusting screw BZK M3X3 D913/VZ	
16	02010.6510	1	Gas-spring operation hydraulic	
17	02010.6612	1	Gas-spring holder	
18	00000.3545	1	Adjusting screw + crater M4X4 D916VZ	
19	00000.2304	6	Flat washer M10 PA	
20	00000.3514	1	Adjusting screw + crater M4X6 D916	
21	00000.5305	1	Bearing bush 10X12X06 IGLIDUR	
-	02020.9500	1	Hydraulic gas spring operating mechanism	
-	02020.9600	1	Mechanical Gas-Spring Actuator	

015: Seat frame mechanical tilting adjustment



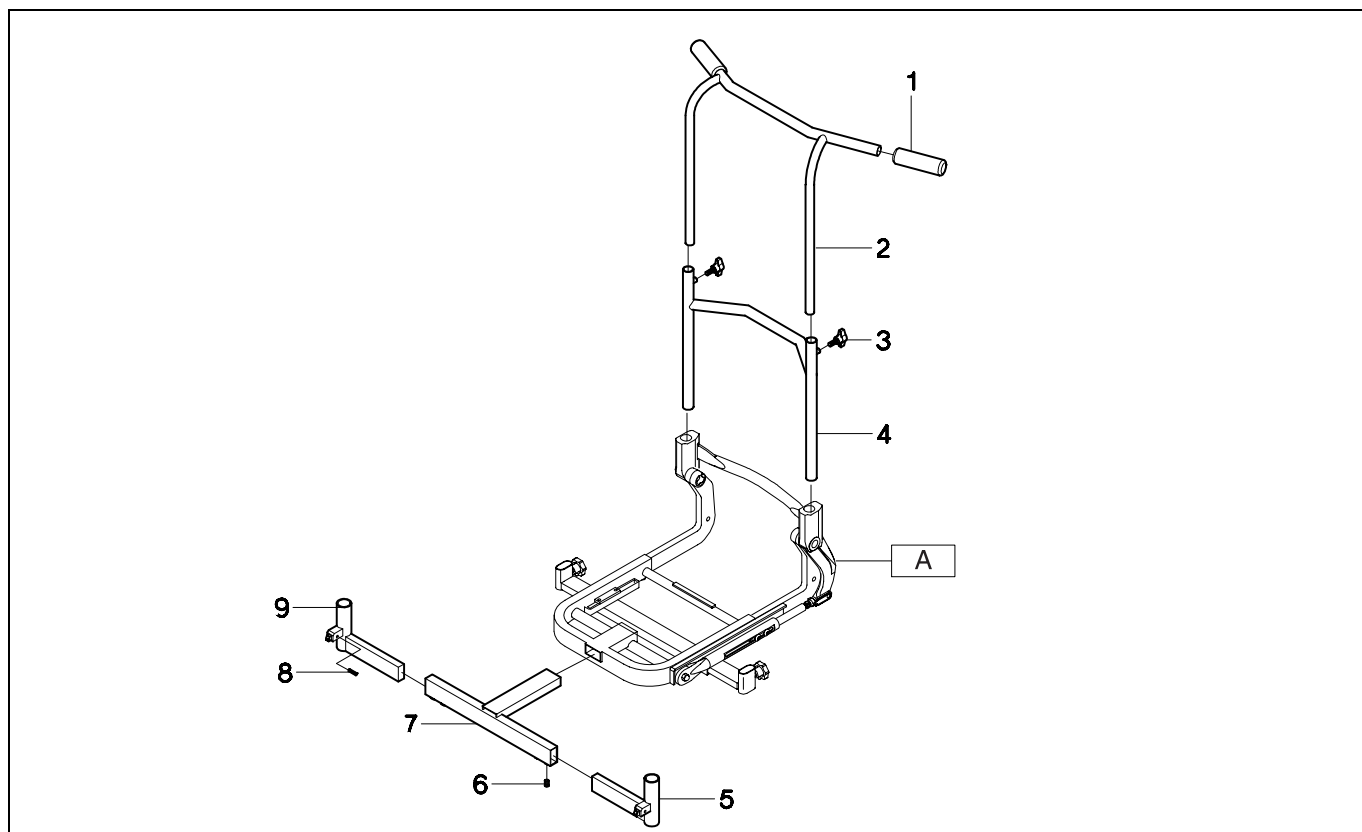
Pos	Article number	Units	Description	
1	00000.3709	4	Buttonhead M6X30 VZ	
2	00000.2202	4	Spring washer M6 D127B/VZ	
3	02010.6182	2	Upper block	
4	02010.7682	2	Washer	
5	00000.3709	2	Buttonhead M6X30 VZ	
6	00000.7501	2	Stauff block ALU DIA 22 MM	
7	116.00621.023	1	Stop plate	
8	001.00020.025	2	Nut	
9	00000.4311	2	Hexagonal tap bolt M8X20 VZ	

016: Single footplate complete



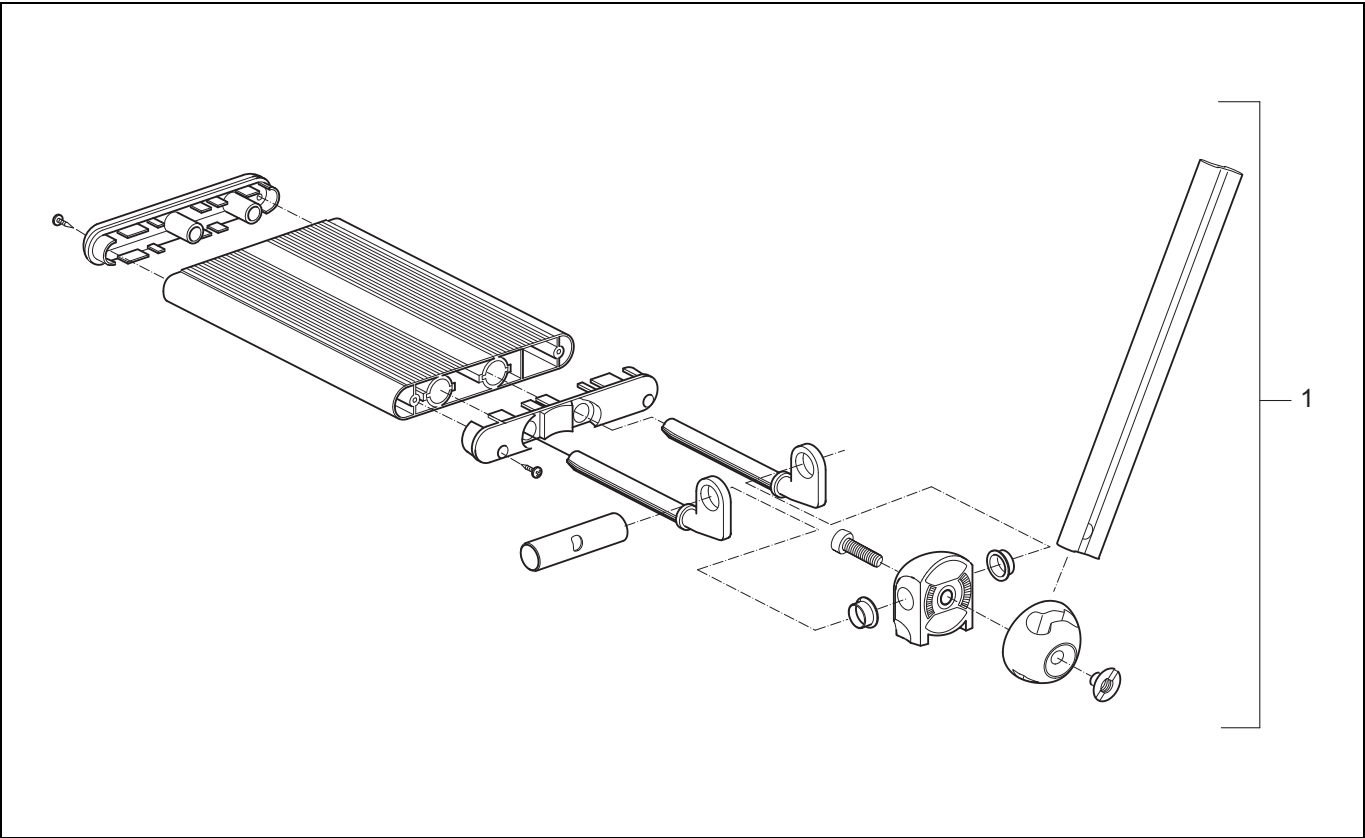
Pos	Article number	Units	Description	
1	00000.6705	2	Clamp M8X20 VZ	
2	01050.0611	1	Fastening rod	
3	01050.0510	2	Rod	
4	00000.2401	2	Spacing washer + adjusting screw 8 D705A/916/VZ	
5	00000.2003	4	Washer flat M8 D125A/vz	
6	01050.0111	1	Insertion pipe	
7	00000.4305	1	Hexagonal tap bolt M8X60 VZ	
8	00000.4016	2	Cil cap screw inn zk M6X25 VZ	
9	00000.2002	2	Washer flat M6 D125A/VZ	
10	00000.5002	4	Bearing bush Nylon 08X11X13	
11	01050.0211	1	Upper pipe	
12	01050.0812	1	Pin	
13	01050.1311	1	Lower pipe	
14	00000.9302	2	Insert cap	
15	00000.4100	1	Hex. Bolt M8X150 D931/8.8 VZ	
16	01050.2011	1	Strip	
17	00000.3601	2	Screw PLV.M6X40 D965/4.8/VZ	
18	00000.9002	2	Plug for hand grip 22x2	
19	01050.1411	1	U-pipe	
20	00000.1702	2	Locknut M8 D985/8/vz	
21	01050.2480	1	Footplate	
22	00000.3601	2	Screw PLV.M6X40 D965/4.8/VZ	
23	220.00201.505	1	Calf pad trapezium	
24	01050.1111	1	Stop plate	
25	00000.4007	1	Cil cap screw inn zk M6X10 VZ	
26	00000.9202	1	Insert cap rect. 40X20 BLACK	

017: Upper carriage



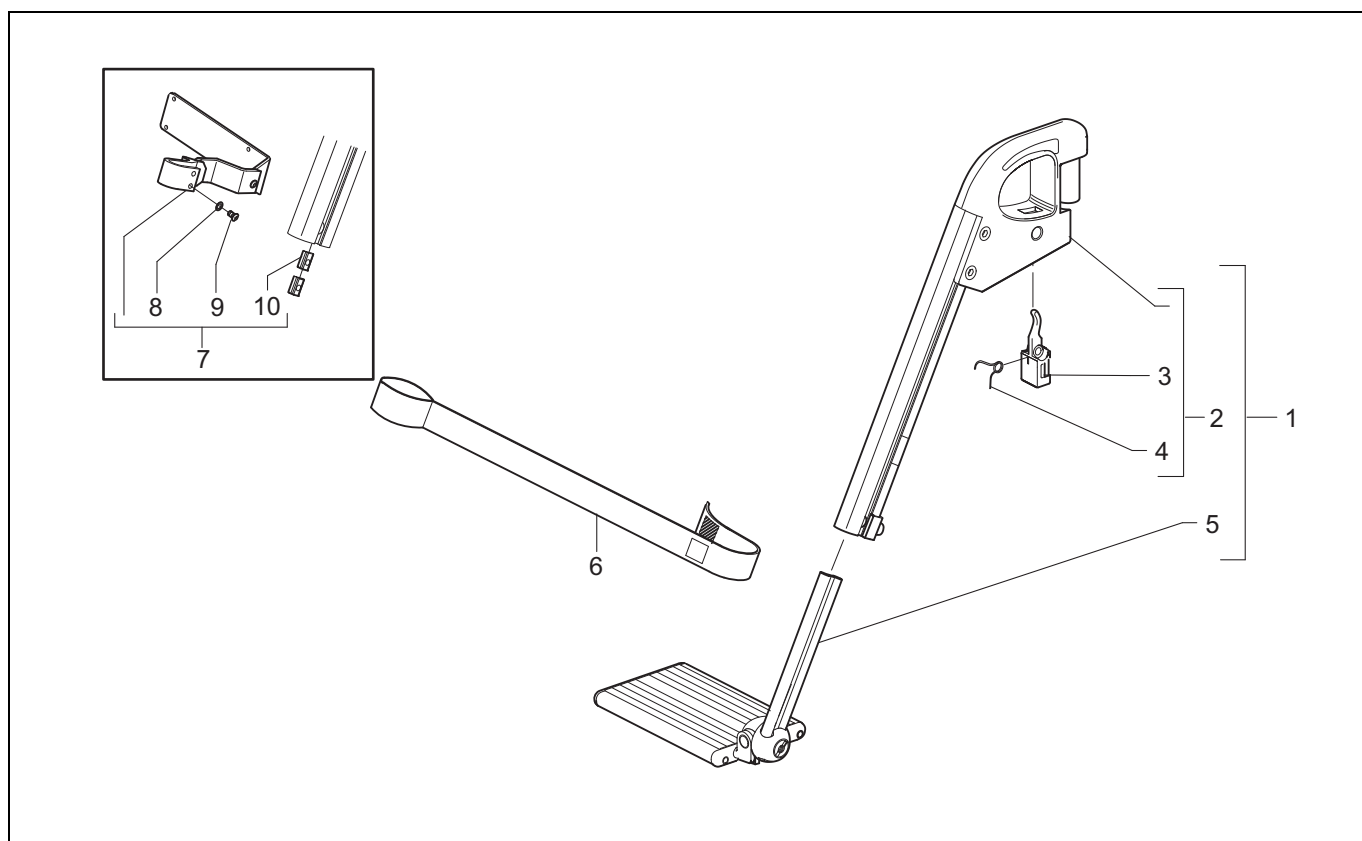
Pos	Article number	Units	Description	
1	00000.4801	2	Handle BLACK	
2	02030.0111	1	Handlebars	
3	00000.6801	2	Star knob outs M8X30 BLACK MH	
4	1001834	1	Back frame	
5	01502.1223	1	Insert tube left	
6	00000.3501	2	Adjusting screw BZK M8X10 D913/VZ	
7	05245.0723	1	Middle part legrest bracket	
8	00000.3590	2	Adjusting screw M6X16	
9	01502.1323	1	Insert tube right	
A			See: 011: Sedeo seatframe	

018: Footplate with hinge



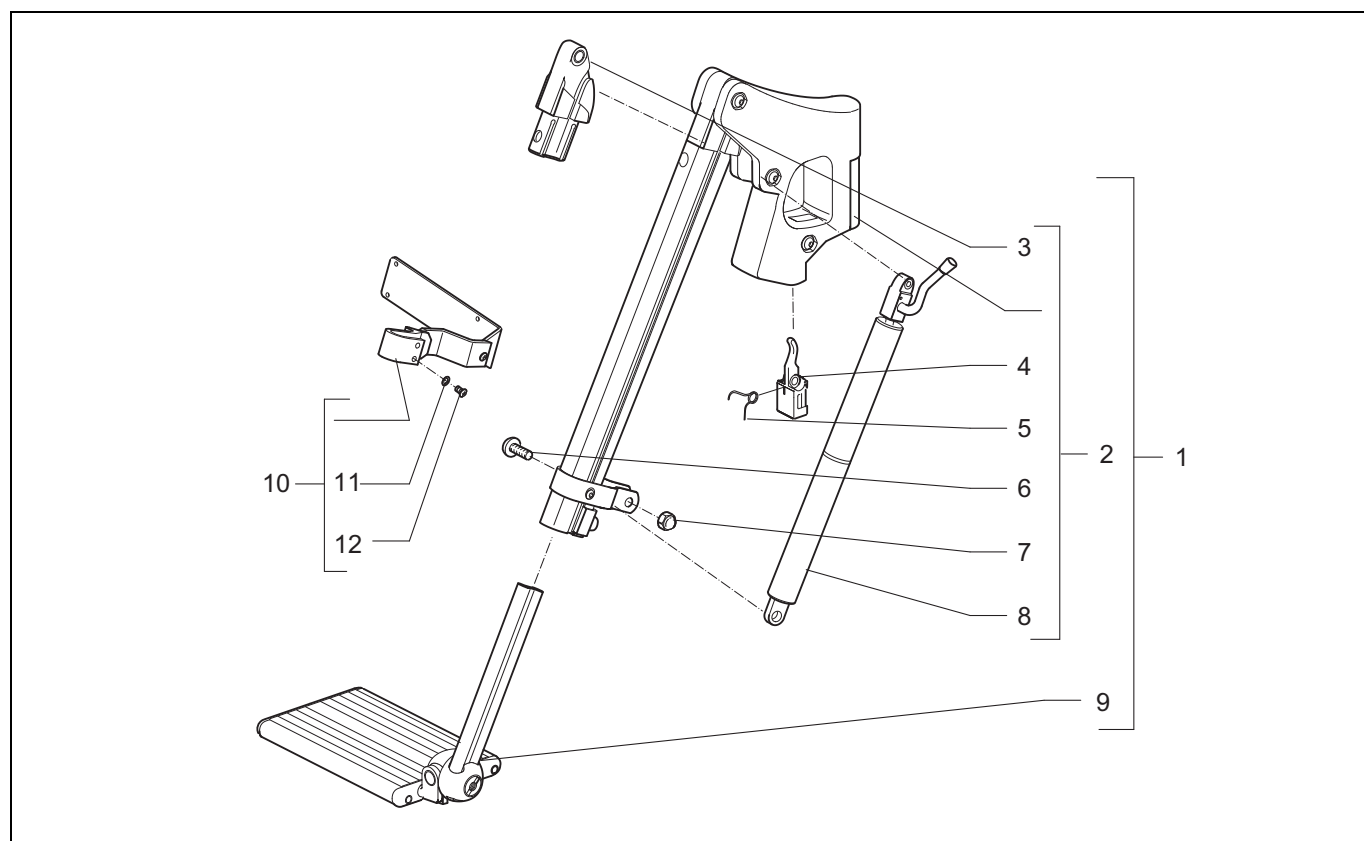
Pos	Article number	Units	Description	
1			See page 67.	

019: Standard legrest



Pos	Article number	Units	Description	
1	-	1	Standard leg rest left See page 67.	
	-	1	Standard leg rest right See page 67.	
2	1002515	1	Standard leg rest upper part left	
	1002514	1	Standard leg rest upper part right	
3	01500.1112	2	Legrest release lever	
4	01500.2212	2	Legrest release spring	
5	-	1	Footplate left See page 67.	
	-	1	Footplate right See page 67.	
6	01263.9000	1	Calf strap	
7	1004189	2	Calf plate hinge standard	
	1004188	2	Calf plate hinge small	
8	00000.2601	4	Toothed spring washer M6	
9	00000.3725	4	Button head M6X10	
10	01500.2110	4	Leg rest clamping strip short	
-	01503.8000	1	Standard leg rest top complete right	
-	01503.8100	1	Standard leg rest top complete left	

020: Comfort mechanical legrest



Pos	Article number	Units	Description	
1	-	1	Comfort leg rest left See page 67.	
	-	1	Comfort leg rest right See page 67.	
2	1002517	1	Comfort leg rest upper part left	
	1002516	1	Comfort leg rest upper part right	
3	1008580	2	Hinge comfort leg rest	
4	01500.1112	2	Legrest release lever	
5	01500.2212	2	Legrest release spring	
6	00000.3706	2	Button head M8X25	
7	00000.1802	2	Cap lock nut M8	
8	1008076	1	Gas spring with gas spring control left	
	1008077	1	Gas spring with gas spring control right	
-	1009968	2	Gasspring 200N	
9	-	1	Footplate left See page 67.	
	-	1	Footplate right See page 67.	
10	1004189	2	Calf plate hinge standard	
	1004188	2	Calf plate hinge small	
11	00000.2601	4	Toothed spring washer M6	
12	00000.3725	4	Button head M6X10	
-	01503.8200	1	Comfort leg rest top complete right	
-	01503.8300	1	Comfort leg rest top complete left	

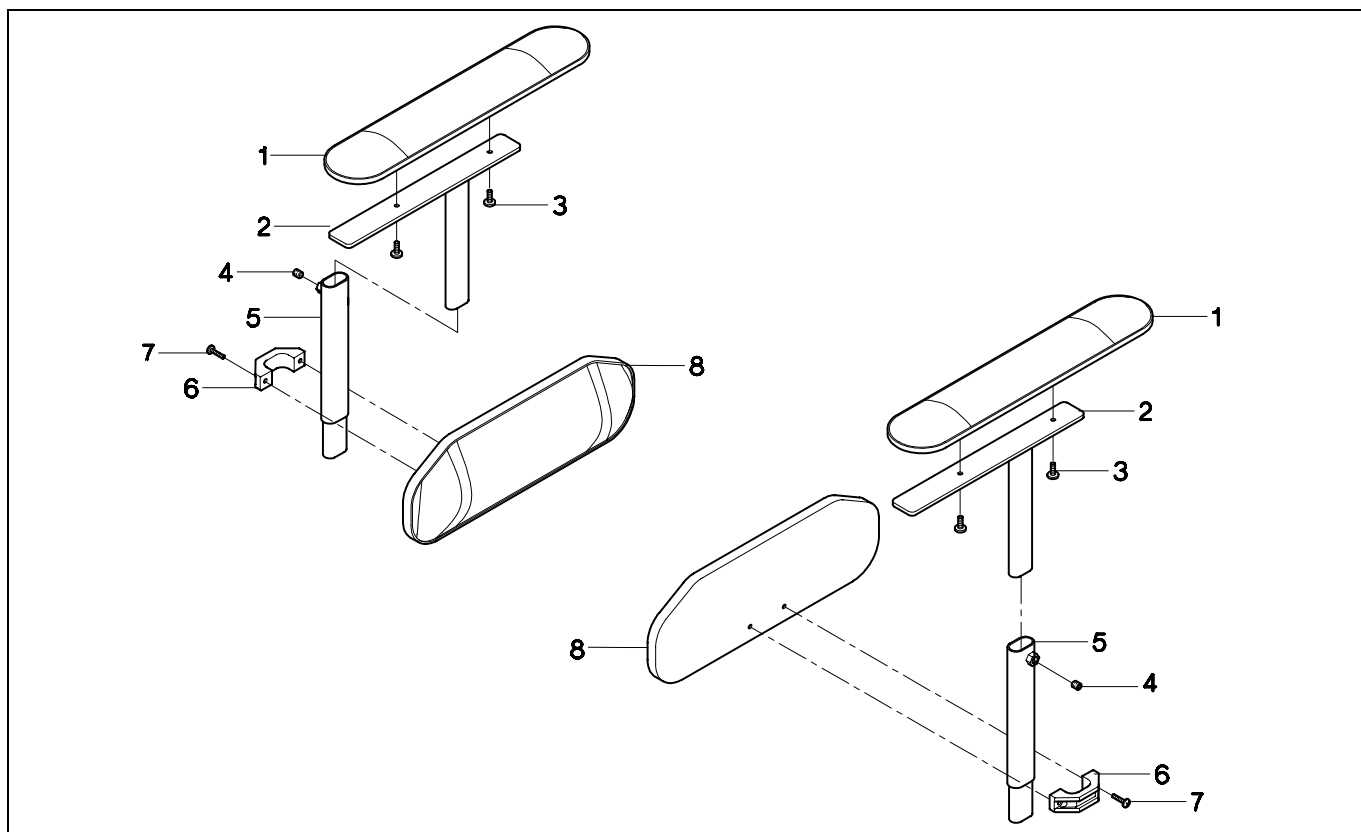
SEDEO LEGRESTS AND FOOTPLATES

SPARE PARTS

LEGRESTS					
TYPE	SIZE	RIGHT	LEFT	CALF PLATE AND LEGRESTBRACKET, SET	CALFSTRAP AND LEGRESTBRACKET, SET
STANDARD	13	1003561	1003560	1003592	1003579
	15	1003563	1003562	1003593	1003580
	17	01500.9019	01500.9119	140.00071.000	140.00011.000
	19	1003565	1003564	1003594	1003581
	21	1003567	1003566	1003595	1003582
	23	1003569	1003568	1003596	1003583
	25	1003571	1003570	1003597	1003584
COMFORT	13	140.00341.000	140.00311.000	1003607	
	15	140.00351.000	140.00321.000	1003608	
	17	01500.9219	01500.9319	140.00021.000	
	19	140.00361.000	140.00331.000	1003609	
	21	1003601	1003598	1003610	
	23	1003602	1003599	1003611	
	25	1003603	1003600	1003612	
ELECTRICAL	13	140.00461.000	140.00451.000	140.00471.000	
	15	1003618	1003613	1003623	
	17	01502.9013	01502.9113	140.00031.000	
	19	1003619	1003614	1003624	
	21	1003620	1003615	1003625	
	23	1003621	1003616	1003626	
	25	1003622	1003617	1003627	

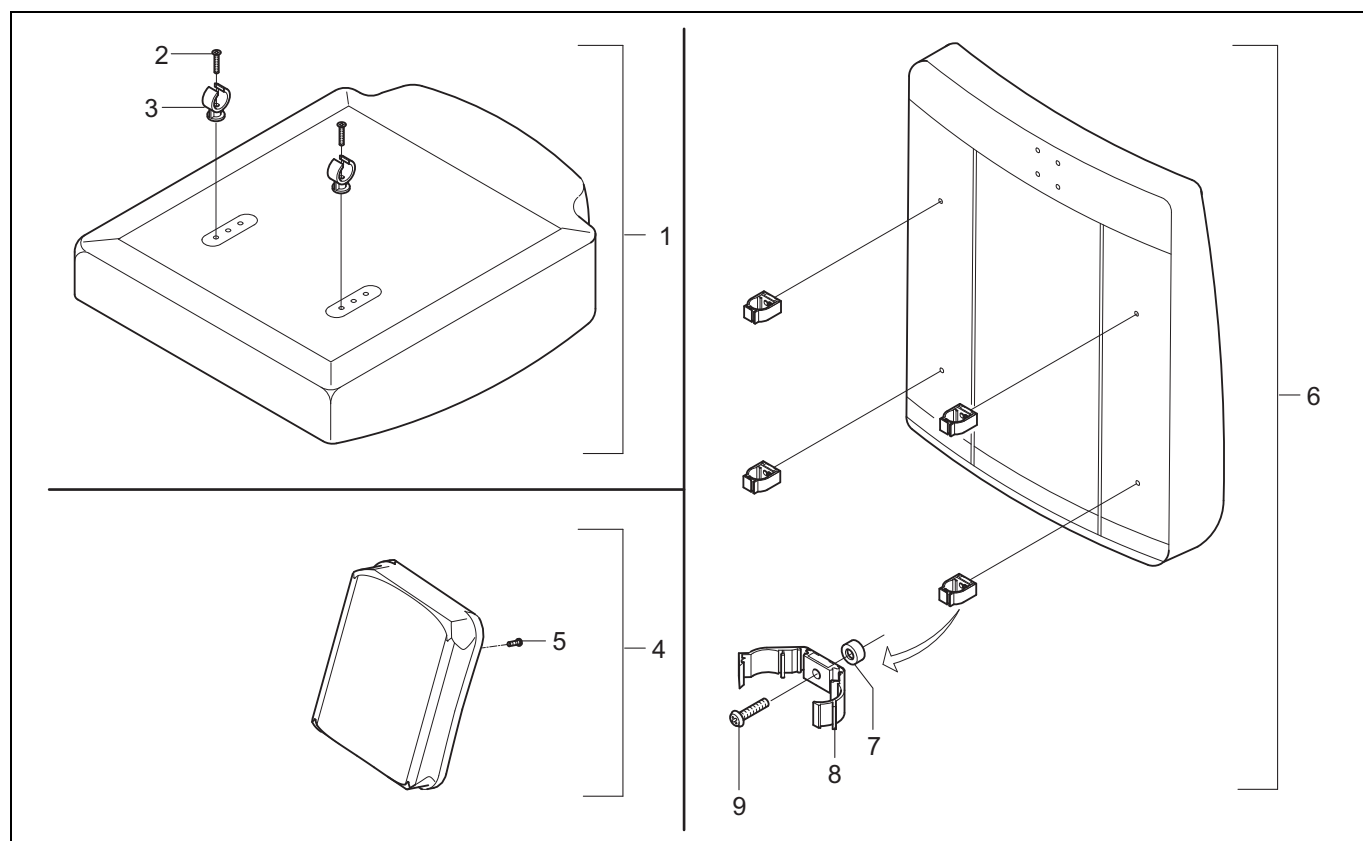
FOOTPLATES		
SIZE	RIGHT	LEFT
13	140.00161.000	140.00191.000
15	140.00171.000	140.00201.000
17	140.00121.000	140.00131.000
19	140.00181.000	140.00211.000
21	1003220	1003219
23	1003222	1003221
25	1003224	1003223

021: Armrest



Pos	Article number	Units	Description	
1	221.00111.505	2	Armrest 40 cm	
2	02040.0311	2	Upper part long	
3	00000.3206	4	Screw bck/kr M5X16 D7985	
4	00000.3541	2	Adjusting screw + crater M8X10 D916	
5	9002127	2	Center piece	
6	02040.0782	2	Bracket	
7	00000.3207	4	Screw BCK/KR M5X20 D7985	
8	224.00241.505	2	Side cushion	

022: Seat / backrest / calf pad



Pos	Article number	Units	Description	
1	-	1	Sedeo Seat See page 70.	
2	00000.3617	2	Screw M5X30	
3	00000.6501	2	Pipe clamp DIA 22 black	
4	220.00121.505	1	Calf plate standard	
	220.00141.505	1	Calf plate small	
5	00000.3206	4	Screw M5X16	
6	-	1	Sedeo backrest See page 71.	
7	00000.5721	4	Washer flat M6	
8	00000.6504	4	Pipe clamp back closed type	
9	00000.3207	4	Screw M5X20	

SEDEO SEAT CUSHIONS

SPARE PARTS

W X D	PROFIED	PROFIED WITH GREY MIDDLE BAR	MEMORY FOAM	SUPPORT
42x50	200.42131.505	1002950	200.40481.517	205.42791.517
46x50	200.42211.505	1002951	200.40561.517	205.42871.517
50x50	200.42291.505	1002952	200.40641.517	205.42951.517
42x54	1001977	1002953	1001997	1002006
42x58	1001978	1002954	1001998	1002007
46x54	1001979	1002955	1001999	1002008
46x58	1001980	1002956	1002000	1002009
50x54	1001981	1002957	1002001	1002010
50x58	1001982	1002958	1002002	1002011
54x50	1001983	1002959	1002003	1002012
54x54	1001984	1002960	1002004	1002013
54x58	1001985	1002961	1002005	1002014

W X D	BALANCE	FLUID	AIR
42x50	201.47741.517	1003360	1003363
46x50	201.47821.517	1003361	1003364
50x50	201.47901.517	1003362	1003365
42x54	1002024		
42x58	1002025		
46x54	1002026		
46x58	1002027		
50x54	1002028		
50x58	1002029		
54x50	1002030		
54x54	1002031		
54x58	1002032		

W X D	BOARD	BOARD WITH REAR PAN	PAN
42x50	1002042	1002054	202.41141.505
46x50	1002045	1002057	202.41221.505
50x50	1002048	1002060	202.41301.505
42x54	1002043	1002055	1002033
42x58	1002044	1002056	1002034
46x54	1002046	1002058	1002035
46x58	1002047	1002059	1002036
50x54	1002049	1002061	1002037
50x58	1002050	1002062	1002038
54x50	1002051	1002063	1002039
54x54	1002052	1002064	1002040
54x58	1002053	1002065	1002041

ADAPTATIONS special conditions will apply on all adaptations

Profied with grey middle bar seat cushion, other upholstery size and/or material
Memory foam seat cushion, other upholstery size and/or material
Support seat cushion, other upholstery size and/or material
Balance seat cushion, other upholstery size and/or material
Fluid seat cushion, other upholstery size and/or material
Air seat cushion, other upholstery size and/or material
Board, other upholstery size and/or material
Board with rear pan, other upholstery size and/or material
Pan, other upholstery size and/or material

SEDEO BACKRESTS

SPARE PARTS

W X D	PROFILED	PROFILED WITH GREY MIDDLE BAR	WITH LUMBAR SUPPORT	EXTRA SOFT
42x52	207.20031.505	1002974	215.20031.505	207.20211.520
46x52	207.20051.505	1002975	215.20051.505	207.20231.520
50x52	207.20071.505	1002976	215.20071.505	207.20251.520
42x56	1002143	1002977	1002161	1002179
42x60	1002144	1002978	1002162	1002180
46x56	1002145	1002979	1002163	1002181
46x60	1002146	1002980	1002164	1002182
50x56	1002147	1002981	1002165	1002183
50x60	1002148	1002982	1002166	1002184
54x52	1002149	1002983	1002167	1002185
54x56	1002150	1002984	1002168	1002186
54x60	1002151	1002985	1002169	1002187

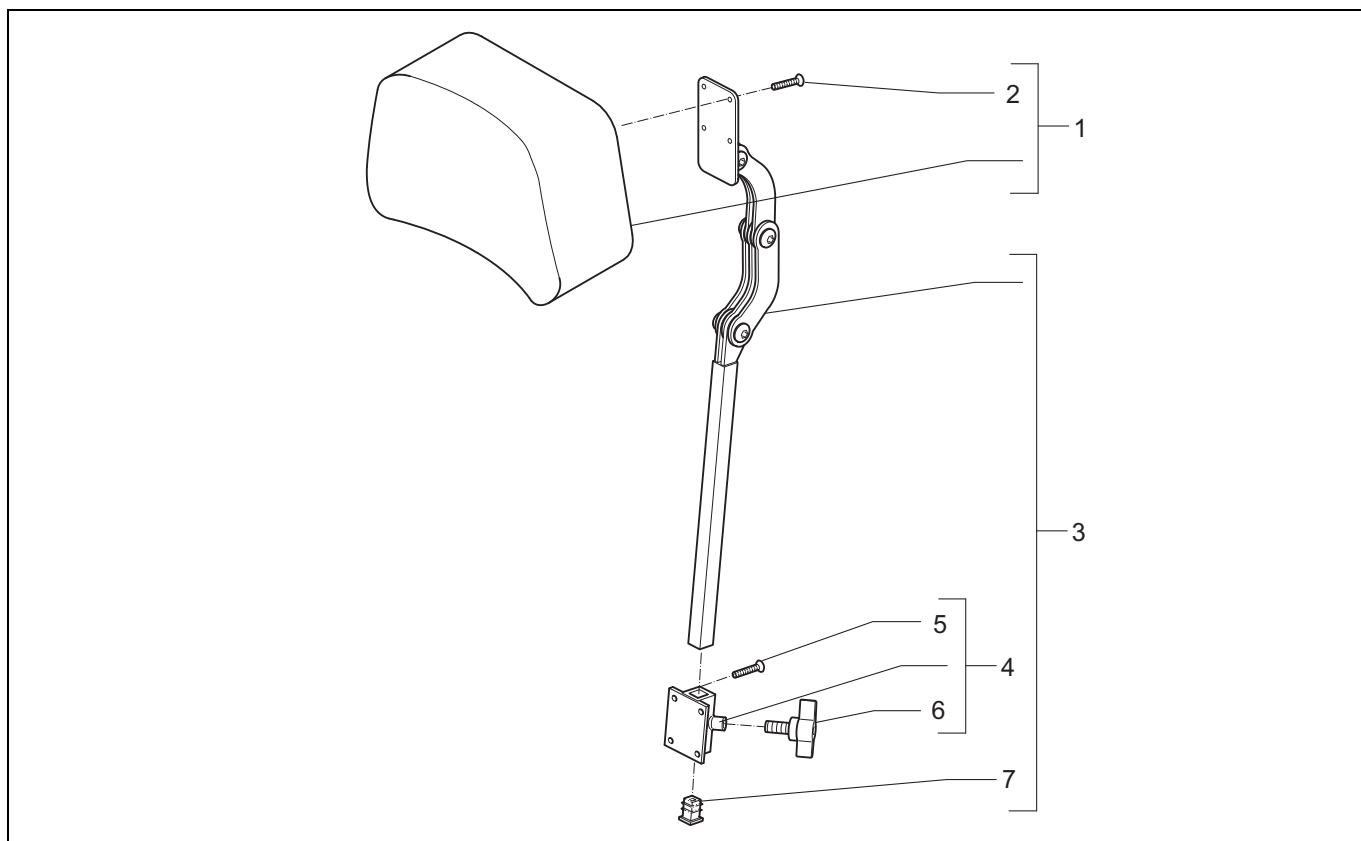
W X D	WEBBED	SUPPORT	WITH STRAPS	WITH STRAPS, ACTIVE
42x52	207.20751.520	209.20211.505	214.20751.520	214.23031.520
46x52	207.20771.520	209.20231.505	214.20771.520	214.23041.520
50x52	207.20791.520	209.20251.505	214.20791.520	214.23051.520
42x56	1002152	1002170	1002188	1002197
42x60	1002153	1002171	1002189	1002198
46x56	1002154	1002172	1002190	1002199
46x60	1002155	1002173	1002191	1002200
50x56	1002156	1002174	1002192	1002201
50x60	1002157	1002175	1002193	1002202
54x52	1002158	1002176	1002194	1002203
54x56	1002159	1002177	1002195	1002204
54x60	1002160	1002178	1002196	1002205

W X D	WITH STRAPS, ACTIVE FLEXIBLE	WITH STRAPS, PASSIVE FLEXIBLE
42x52	1008559	1010725
46x52	1008560	1010726
50x52	1008561	1010727

ADAPTATIONS special conditions will apply on all adaptations

Profiled with grey middle bar backrest, other upholstery size and/or material
Backrest with lumbar support, other upholstery size and/or material
Extra soft backrest, other upholstery size and/or material
Webbed backrest, other upholstery size and/or material
Support backrest, other upholstery size and/or material
Backrest with straps, other upholstery size and/or material
Backrest with straps, active, other upholstery size and/or material
Backrest with straps, active flexible, other upholstery size and/or material
Backrest with straps, passive flexible, other upholstery size and/or material

023: Headrest



Pos	Article number	Units	Description	
1	222.00151.505	1	Headrest type 4, small mode, black Sellaskin	
	222.00131.505	1	Headrest Type 3, Flexible, black Sellaskin	
	222.00111.505	1	Headrest Type 2, Large, black Sellaskin	
2	00000.3206	8	Screw bck/kr M5X16 D7985	
3	02193.0023	1	Metal Section Headrest. Standard Adjustable	
	02194.0023	1	Metal Section Headrest. With Adjustable Width	
	906.00000.161	1	Metal Section Headrest. With angle lever	
4	01183.9023	1	Headrest adjustment holder	
5	00000.3206	8	Screw bck/kr M5X16 D7985	
6	00000.6801	1	Star knob outs M8X30 BLACK MH	
7	00000.9301	1	Insert cap 15mm square	

01-01-2013
Version 2013v1

Page	Drawing	Position	Changes
48	003	4	Changed article number 01010.3580 into 01010.3280
59	013	2	Changed article number 152.00181.000 into 1007008
66	020	10	Changed article number 906.00000.031 into 1004189
66	020	10	Changed article number 906.00311.000 into 1004188
68	021	5	Changed article number 02040.0223 into 9002127

01-01-2014
Version 2014v1

Page	Drawing	Position	Changes
-	-	-	-

01-01-2015
Version 2014v1

Page	Drawing	Position	Changes
8			Updated warranty text-



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